

Author Index to Volume 260

April-June 1993

A

- Aaltonen, Lauri A. See Peltomäki, Päivi.
 Peltomäki, Päivi; Leach, Fredrick S.; Sistonen, Pertti; Pylkkinen, Lea; Meckon, Jukka-Pekka; Järvinen, Heikki; Powell, Steven M.; Jen, Jin; Hamilton, Stanley R.; Petersen, Gloria M.; Kinzler, Kenneth W.; Vogelstein, Bert; de la Chapelle, Albert: Clues to the pathogenesis of familial colorectal cancer. p812 7 May 1993.
 Ahelson, Philip H. (editorial): Improvements in health care. p11 2 Apr 1993. Pan-American science collaboration. p1563 11 June 1993. Pathological growth of regulations. p1859 25 June 1993. Policies for science and technology. p735 7 May 1993. (letter): Pesticides and the Delaney amendment. p1410 4 June 1993. See also Nicholson, Richard S.
 Abramson, E. H. See Zaig, J. M.
 Acero, Anibal. See Flom, Erik B.
 Ackers, Joan: review of *Comparable Worth*, by Paula England. p1008 14 May 1993.
 Adams, Stephen R. See Bacskai, Brian J.
 Aepli, Gabriel. See Fink, Zachary.
 Agard, David A.: To fold or not to fold . . . (perspective). p1903 25 June 1993.
 Ager, J. W., III. See Piano, M. A.
 Ahlborn, Anders and Feychting, Maria: EMF and cancer (letter). p14 2 Apr 1993.
 Aizenman, Carlos D. See Kirkwood, Alfredo.
 Alkhous, Peter (news): The biggest shake-up for British science in 30 years. p1419 4 June 1993. A faster walk along the genome. p1075 21 May 1992. Oxford rebels protest women's status. p1231 28 May 1993. PCR enzyme patent challenged. p486 23 Apr 1993. Tribe of brown dwarfs discovered? p163 9 Apr 1993. Yet another science minister for Germany. p889 14 May 1993. (science in Europe): Europe's genomes came home to roost. p1741 18 June 1993. A lot more than a Nobel heritage. p1752 18 June 1993. More elitism, encouraged with a shot of hard cash. p1751 18 June 1993. A new breeze blows through Brussels. p1735 18 June 1993. New EMBL director reaches out to southern Europe. p1740 18 June 1993. Science steers around Euro-potholes. p1734 18 June 1993.
 Aldrich, Thomas H. See Davis, Samuel.
 Allamandola, L. J.; Sandford, S. A.; Tielens, A. G. G. M.; Herbst, T. M.: Diamonds in dense molecular clouds: a challenge to the standard interstellar medium paradigm. p64 2 Apr 1993.
 Allen, Allen D.; Mathisen, Glenn E.; Glover, Norman; Au, Janet: HIV and AIDS (letter). p1706 18 June 1993.
 Allen, Bruce D. and Anderson, Roger Y.: Evidence from western North America for rapid shifts in climate during the last glacial maximum. p1920 25 June 1993.
 Allen, John M. See Faust, Bruce C.
 Allmon, Warren D.; Rosenberg, Gary; Portell, Roger W.; Schindler, Kevin S.: Diversity of Atlantic coastal plain mollusks since the Pliocene. p1626 11 June 1993.
 Alms, Wolfhard. See Tse, Amy.
 Alper, Joseph (news): Ulcers as an infectious disease. p159 9 Apr 1993. (environment & the economy): Forest analogs: a good half measure? p1896 25 June 1993. How to make the forests of the world pay their way. p1895 25 June 1993. Protecting the environment with the power of the market. p1884 25 June 1993. (women in science '93): The pipeline is leaking women all the way along. p409 16 Apr 1993.
 Alt, Frederick W. See Taccioli, Guillermo E.
 Altman, Ammon. See Gulbins, Erich.
 Amato, Ivan (news): American family tree gets new root. p22 2 Apr 1993. Between a rock and a liquid place. p1424 4 June 1993. Designer solids: haute couture in chemistry. p753 7 May 1993. Finally, a hotter superconductor. p755 7 May 1993. For dirty dirt, a gentle cleaner. p294 16 Apr 1993. How to drive nucleic acids up a tree. p491 23 Apr 1993. Mass spec on the Little Bighorn. p293 16 Apr 1993. The molecular bead game. p293 16 Apr 1993. New laser serves red light, straight up. p1234 28 May 1993. Pons and Fleischmann redux? p895 14 May 1993. (environment & the economy): A new life

- for a national clean technologies workshop. p1889 25 June 1993.
 Amikura, Reiko. See Kobayashi, Satoru.
 Amos, Bill; Schlötterer, Christian; Tautz, Diethard: Social structure of pilot whales revealed by analytical DNA profiling. p670 30 Apr 1993.
 Amzel, L. Mario. See Boyington, Jeffrey C.
 Anastasio, Cort. See Faust, Bruce C.
 Andersen, Bogi; Schonemann, Marcus D.; Flynn, Sarah E.; Pearse, Richard V., II; Singh, Harinder; Rosenfeld, Michael G.: Skin-1a and Skin-1b: two functionally distinct Oct-2-related factors expressed in epidermis. p78 2 Apr 1993.
 Anderson, Christopher (news): Clinton asks for a greener DOE. p153 9 Apr 1993. Clinton's science and technology team takes shape. p616 30 Apr 1993. Favoritism found in ARPA funding. p1237 28 May 1993. Good to take top commerce post. p1421 4 June 1993. Healy slams Clinton's NIH budget. p1067 21 May 1992. Hearing process proves a challenge for ORI. p1714 18 June 1993. Immunologist to head aging institute. p1420 4 June 1993. A new kind of earmarking. p483 23 Apr 1993. A new model for gene patents? p23 2 Apr 1993. NIH fraudbusters get busted. p288 16 Apr 1993. NSF wins, NIH loses in Clinton's 1994 budget. p24 2 Apr 1993. Proposal to counter scientist 'shortage' draws fire. p748 7 May 1993. Researchers win decision on knockout mouse pricing. p23 2 Apr 1993. The rocky road to a data highway. p1064 21 May 1992. Scripps backs down on controversial Sander deal. p1872 25 June 1992. Secret Service analysis goes to pieces. p1715 18 June 1993. SSC deathwatch starts again. p1421 4 June 1993. See also Marshall, Eliot.
 Anderson, Roger Y. See Allen, Bruce D.
 Antonini, Antonella and Stryker, Michael P.: Rapid remodeling of axonal arbors in the visual cortex. p1819 18 June 1993.
 Arabaz, W. J. See Hill, D. P.
 Arakaki, Takemitsu. See Faust, Bruce C.
 Armstrong, Peter B.: review of *Morphogenesis*, edited by Edward F. Rossomando and Stephen Alexander. p1011 14 May 1993.
 Ashizawa, Tetsuo. See Fu, Ying-Hui.
 Ashwell, Jonathan. See Volarevif, Siniša.
 Au, Janet. See Allen, Allen D.

B

- Bacskai, Brian J.; Hochner, Binyamin; Mahaut-Smith, Martyn; Adams, Stephen R.; Kaang, Bong-Kiun; Kandel, Eric R.; Tsien, Roger Y.: Spatially resolved dynamics of cAMP and protein kinase A subunits in *Aplysia* sensory neurons. p222 9 Apr 1993.
 Badding, John V. See Vischer, Glenn T.
 Bading, Hilmar. See Ginty, David D.
 Bading, Ginty, David D.; Greenberg, Michael E.: Regulation of gene expression in hippocampal neurons by distinct calcium signaling pathways. p181 9 Apr 1993.
 Baier, Gottfried. See Gulbins, Erich.
 Baker, Catriona H. See Groenink, Martijn.
 Bakwin, P. S. See Wofsy, S. C.
 Baldwin, David P. See Kitsopoulos, Theofanis N.
 Baltensperger, Kurt; Kozma, Lynn M.; Cherniack, Andrew D.; Klarlund, Jes K.; Chawla, Anil; Banerjee, Utpal; Czech, Michael P.: Binding of the Ras activator of sevenless to insulin receptor substrate-1 signaling complexes. p1950 25 June 1993.
 Balter, Michael (science in Europe): French government tries decentralizing excellence. p1749 18 June 1993.
 Banerjee, Utpal. See Baltensperger, Kurt.
 Banfield, Jillian F. See Veblen, David R.
 Bao, Wuli; O'Malley, David M.; Whetten, Ross; Sederoff, Ronald R.: A laccase associated with lignification in loblolly pine xylem. p672 30 Apr 1993.
 Barbour, Alan G. and Fish, Durland: The biological and social phenomenon of Lyme disease. p1610 11 June 1993.
 Barclay, A. N. See Brady, R. L.
 Barger, M. Susan: review of *Out of the Shadows*, by Larry J. Schaaf. p1168 21 May 1992.
 Barinaga, Marcia (news): At Rockefeller, Wiesel is the calm after the storm. p1426 4 June 1993. New test catches drug-resistant TB in the spotlight. p750 7 May 1993. The remembrance of blinks past. p894 14 May 1993. Secrets of secretion revealed. p487 23 Apr 1993. (women in science '93): Feminists find gender everywhere in science. p392 16 Apr 1993. Is there a 'female style' in science? p384 16 Apr 1993.
 Barletta, Raúl G. See Jacobs, William R., Jr.
 Barlow, Denise F.: Methylation and imprinting: from host defense to gene regulation? (perspective). p309 16 Apr 1993.
 Barnett, Christopher D. See Caldwell, John.
 Barnola, J. M. See Raynaud, D.
 Barovsky, Kenneth. See Burk, Dan L.
 Barron, Andrew R. See Landry, Christopher C.
 Bar-Sagi, Dafna. See Chardin, Pierre.
 Bartlett, Perry F. See Nurcombe, Victor.
 Baskin, Yvonne (news): Blue whale population may be increasing off California. p287 16 Apr 1993.
 Bassett, William: review of *Fundamentals of Crystallography*, edited by C. Giacovazzo. p1985 25 June 1993.
 Bassow, S. L. See Wofsy, S. C.
 Batzer, A. See Skolnick, E. Y.
 Bazzaz, F. A. See Wofsy, S. C.
 Bear, Mark F. See Kirkwood, Alfredo.
 Beck, J. Warren. See Edwards, R. Lawrence.
 Beebe, Lorena S.; Derbyshire, Victoria; Steitz, Thomas A.: Structure of DNA polymerase I Klenow fragment bound to duplex DNA. p352 16 Apr 1993.
 Begelman, Mitchell C.: review of *Extragalactic Radio Sources*, edited by J. Roland, H. Sol, and G. Pelletier. p705 30 Apr 1993.
 Behrensmeyer, Anna K.: review of *The Dragon in the Cliff*, by Sheila Cole. p376 16 Apr 1993. See also Greenwood, David R.
 Beichman, Charles A.: review of *Infrared Astronomy with ISO*, edited by Th. Encrenaz and M. F. Kessler. p107 2 Apr 1993.
 Bektesh, Susan. See Lin, Leu-Fen H.
 Benditt, John (women in science '93): Gender and the culture of science. p383 16 Apr 1993.
 Benhorin, Jesaja; Kalman, Yoram M.; Medina, Aharon; Toubin, Jeffrey; Rave-Harel, Naama; Dyer, Thomas D.; Blangero, John; MacCluer, Jean W.; Kerem, Bat sheva: Evidence of genetic heterogeneity in the long QT syndrome (technical comment). p1960 25 June 1993.
 Bennett, Albert F.: review of *The Hot-Blooded Insects*, by Bernd Heinrich. p1155 21 May 1992.
 Bennett, William R., Jr. See Davis, J. Glenn.
 Benton, Michael J.: Late Triassic extinctions and the origin of the dinosaurs (perspective). p769 7 May 1993.
 Bermingham, Eldredge. See Knowlton, Nancy.
 Beronza, G. See Hill, D. P.
 Bertaux, Jean-Loup. See Lallemand, Rosine.
 Bhargava, Nina. See Pancholi, Preeti.
 Bhartiya, P. K. See Gleason, J. F.
 Bianconi, Patricia A. See Vischer, Glenn T.
 Biddle, Wayne (news): AAAS's very own Red scare. p486 23 Apr 1993.
 Biebuyck, Hans A. See López, Gabriel P.
 Binnig, G. See Ohnesorge, Shui.
 Binzel, Richard P. and Xu, Shui: Chips off of asteroid 4 Vesta: evidence for the parent body of basaltic achondrite meteorites. p186 9 Apr 1993.
 Bishop, Christine E.: review of *The Oldest Old*, edited by Richard M. Suzman, David P. Willis, and Kenneth G. Manton. p1160 21 May 1992.
 Bishop, J. Michael. See Finney, Robert E.
 Bisessing, Ton. See Vijn, Irma.
 Blaber, Michael; Zhang, Xue-jun; Matthews, Brian W.: Structural basis of amino acid α helix propensity. p1637 11 June 1993.
 Blangero, John. See Benhorin, Jesaja.
 Block, Barbara A.; Finnerty, John R.; Stewart, Alexandre F. R.; Kidd, Jessica: Evolution of endothermy in fish: mapping physiological traits on a molecular phylogeny. p210 9 Apr 1993.
 Bloom, A. L. See Edwards, R. Lawrence.
 Bloom, Barry R. See Jacobs, William R., Jr.

Author Index to Volume 260

April-June 1993

A

- Aaltonen, Lauri A. See Peltomäki, Päivi.
 —; Peltomäki, Päivi; Leach, Fredrick S.; Sistonen, Pertti; Pylkkänen, Lea; Meckon, Jukka-Pekka; Järvinen, Heikki; Powell, Steven M.; Jen, Jin; Hamilton, Stanley R.; Petersen, Gloria M.; Kinzler, Kenneth W.; Vogelstein, Bert; de la Chapelle, Albert: Clues to the pathogenesis of familial colorectal cancer. p812 7 May 1993.
 Ahelson, Philip H. (editorial): Improvements in health care. p11 2 Apr 1993. Pan-American science collaboration. p1563 11 June 1993. Pathological growth of regulations. p1859 25 June 1993. Policies for science and technology. p735 7 May 1993. (letter): Pesticides and the Delaney amendment. p1410 4 June 1993. See also Nicholson, Richard S.
 Abramson, E. H. See Zaig, J. M.
 Acero, Anibal. See Flom, Erik B.
 Ackers, Joan: review of *Comparable Worth*, by Paula England. p1008 14 May 1993.
 Adams, Stephen R. See Bacskai, Brian J.
 Aepli, Gabriel. See Fink, Zachary.
 Agard, David A.: To fold or not to fold . . . (perspective). p1903 25 June 1993.
 Ager, J. W., III. See Piano, M. A.
 Ahlborn, Anders and Feychting, Maria: EMF and cancer (letter). p14 2 Apr 1993.
 Aizenman, Carlos D. See Kirkwood, Alfredo.
 Alkhous, Peter (news): The biggest shake-up for British science in 30 years. p1419 4 June 1993. A faster walk along the genome. p1075 21 May 1992. Oxford rebels protest women's status. p1231 28 May 1993. PCR enzyme patent challenged. p486 23 Apr 1993. Tribe of brown dwarfs discovered? p163 9 Apr 1993. Yet another science minister for Germany. p889 14 May 1993. (science in Europe): Europe's genomes came home to roost. p1741 18 June 1993. A lot more than a Nobel heritage. p1752 18 June 1993. More elitism, encouraged with a shot of hard cash. p1751 18 June 1993. A new breeze blows through Brussels. p1735 18 June 1993. New EMBL director reaches out to southern Europe. p1740 18 June 1993. Science steers around Euro-potholes. p1734 18 June 1993.
 Aldrich, Thomas H. See Davis, Samuel.
 Allamandola, L. J.; Sandford, S. A.; Tielens, A. G. G. M.; Herbst, T. M.: Diamonds in dense molecular clouds: a challenge to the standard interstellar medium paradigm. p64 2 Apr 1993.
 Allen, Allen D.; Mathisen, Glenn E.; Glover, Norman; Au, Janet: HIV and AIDS (letter). p1706 18 June 1993.
 Allen, Bruce D. and Anderson, Roger Y.: Evidence from western North America for rapid shifts in climate during the last glacial maximum. p1920 25 June 1993.
 Allen, John M. See Faust, Bruce C.
 Allmon, Warren D.; Rosenberg, Gary; Portell, Roger W.; Schindler, Kevin S.: Diversity of Atlantic coastal plain mollusks since the Pliocene. p1626 11 June 1993.
 Alms, Wolfhard. See Tse, Amy.
 Alper, Joseph (news): Ulcers as an infectious disease. p159 9 Apr 1993. (environment & the economy): Forest analogs: a good half measure? p1896 25 June 1993. How to make the forests of the world pay their way. p1895 25 June 1993. Protecting the environment with the power of the market. p1884 25 June 1993. (women in science '93): The pipeline is leaking women all the way along. p409 16 Apr 1993.
 Alt, Frederick W. See Taccioli, Guillermo E.
 Altman, Ammon. See Gulbins, Erich.
 Amato, Ivan (news): American family tree gets new root. p22 2 Apr 1993. Between a rock and a liquid place. p1424 4 June 1993. Designer solids: haute couture in chemistry. p753 7 May 1993. Finally, a hotter superconductor. p755 7 May 1993. For dirty dirt, a gentle cleaner. p294 16 Apr 1993. How to drive nucleic acids up a tree. p491 23 Apr 1993. Mass spec on the Little Bighorn. p293 16 Apr 1993. The molecular bead game. p293 16 Apr 1993. New laser serves red light, straight up. p1234 28 May 1993. Pons and Fleischmann redux? p895 14 May 1993. (environment & the economy): A new life

- for a national clean technologies workshop. p1889 25 June 1993.
 Amikura, Reiko. See Kobayashi, Satoru.
 Amos, Bill; Schlötterer, Christian; Tautz, Diethard: Social structure of pilot whales revealed by analytical DNA profiling. p670 30 Apr 1993.
 Amzel, L. Mario. See Boyington, Jeffrey C.
 Anastasio, Cort. See Faust, Bruce C.
 Andersen, Bogi; Schonemann, Marcus D.; Flynn, Sarah E.; Pearse, Richard V., II; Singh, Harinder; Rosenfeld, Michael G.: Skin-1a and Skin-1b: two functionally distinct Oct-2-related factors expressed in epidermis. p78 2 Apr 1993.
 Anderson, Christopher (news): Clinton asks for a greener DOE. p153 9 Apr 1993. Clinton's science and technology team takes shape. p616 30 Apr 1993. Favoritism found in ARPA funding. p1237 28 May 1993. Good to take top commerce post. p1421 4 June 1993. Healy slams Clinton's NIH budget. p1067 21 May 1992. Hearing process proves a challenge for ORI. p1714 18 June 1993. Immunologist to head aging institute. p1420 4 June 1993. A new kind of earmarking. p483 23 Apr 1993. A new model for gene patents? p23 2 Apr 1993. NIH fraudbusters get busted. p288 16 Apr 1993. NSF wins, NIH loses in Clinton's 1994 budget. p24 2 Apr 1993. Proposal to counter scientist 'shortage' draws fire. p748 7 May 1993. Researchers win decision on knockout mouse pricing. p23 2 Apr 1993. The rocky road to a data highway. p1064 21 May 1992. Scripps backs down on controversial Sander deal. p1872 25 June 1992. Secret Service analysis goes to pieces. p1715 18 June 1993. SSC deathwatch starts again. p1421 4 June 1993. See also Marshall, Eliot.
 Anderson, Roger Y. See Allen, Bruce D.
 Antonini, Antonella and Stryker, Michael P.: Rapid remodeling of axonal arbors in the visual cortex. p1819 18 June 1993.
 Arabaz, W. J. See Hill, D. P.
 Arakaki, Takemitsu. See Faust, Bruce C.
 Armstrong, Peter B.: review of *Morphogenesis*, edited by Edward F. Rossomando and Stephen Alexander. p1011 14 May 1993.
 Ashizawa, Tetsuo. See Fu, Ying-Hui.
 Ashwell, Jonathan. See Volarevif, Siniša.
 Au, Janet. See Allen, Allen D.

B

- Bacskai, Brian J.; Hochner, Binyamin; Mahaut-Smith, Martyn; Adams, Stephen R.; Kaang, Bong-Kiun; Kandel, Eric R.; Tsien, Roger Y.: Spatially resolved dynamics of cAMP and protein kinase A subunits in *Aplysia* sensory neurons. p222 9 Apr 1993.
 Badding, John V. See Vischer, Glenn T.
 Bading, Hilmar. See Ginty, David D.
 —; Ginty, David D.; Greenberg, Michael E.: Regulation of gene expression in hippocampal neurons by distinct calcium signaling pathways. p181 9 Apr 1993.
 Baier, Gottfried. See Gulbins, Erich.
 Baker, Catriona H. See Groenink, Martijn.
 Bakwin, P. S. See Wofsy, S. C.
 Baldwin, David P. See Kitsopoulos, Theofanis N.
 Baltensperger, Kurt; Kozma, Lynn M.; Cherniack, Andrew D.; Klarlund, Jes K.; Chawla, Anil; Banerjee, Utpal; Czech, Michael P.: Binding of the Ras activator of sevenless to insulin receptor substrate-1 signaling complexes. p1950 25 June 1993.
 Balter, Michael (science in Europe): French government tries decentralizing excellence. p1749 18 June 1993.
 Banerjee, Utpal. See Baltensperger, Kurt.
 Banfield, Jillian F. See Vebien, David R.
 Bao, Wuli; O'Malley, David M.; Whetten, Ross; Sederoff, Ronald R.: A laccase associated with lignification in loblolly pine xylem. p672 30 Apr 1993.
 Barbour, Alan G. and Fish, Durland: The biological and social phenomenon of Lyme disease. p1610 11 June 1993.
 Barclay, A. N. See Brady, R. L.
 Barger, M. Susan: review of *Out of the Shadows*, by Larry J. Schaaf. p1168 21 May 1992.
 Barinaga, Marcia (news): At Rockefeller, Wiesel is the calm after the storm. p1426 4 June 1993. New test catches drug-resistant TB in the spotlight. p750 7 May 1993. The remembrance of blinks past. p894 14 May 1993. Secrets of secretion revealed. p487 23 Apr 1993. (women in science '93): Feminists find gender everywhere in science. p392 16 Apr 1993. Is there a 'female style' in science? p384 16 Apr 1993.
 Barletta, Raúl G. See Jacobs, William R., Jr.
 Barlow, Denise F.: Methylation and imprinting: from host defense to gene regulation? (perspective). p309 16 Apr 1993.
 Barnett, Christopher D. See Caldwell, John.
 Barnola, J. M. See Raynaud, D.
 Barovsky, Kenneth. See Burk, Dan L.
 Barron, Andrew R. See Landry, Christopher C.
 Bar-Sagi, Dafna. See Chardin, Pierre.
 Bartlett, Perry F. See Nurcombe, Victor.
 Baskin, Yvonne (news): Blue whale population may be increasing off California. p287 16 Apr 1993.
 Bassett, William: review of *Fundamentals of Crystallography*, edited by C. Giacovazzo. p1985 25 June 1993.
 Bassow, S. L. See Wofsy, S. C.
 Batzer, A. See Skolnick, E. Y.
 Bazzaz, F. A. See Wofsy, S. C.
 Bear, Mark F. See Kirkwood, Alfredo.
 Beck, J. Warren. See Edwards, R. Lawrence.
 Beebe, Lorena S.; Derbyshire, Victoria; Steitz, Thomas A.: Structure of DNA polymerase I Klenow fragment bound to duplex DNA. p352 16 Apr 1993.
 Begelman, Mitchell C.: review of *Extragalactic Radio Sources*, edited by J. Roland, H. Sol, and G. Pelletier. p705 30 Apr 1993.
 Behrensmeyer, Anna K.: review of *The Dragon in the Cliff*, by Sheila Cole. p376 16 Apr 1993. See also Greenwood, David R.
 Beichman, Charles A.: review of *Infrared Astronomy with ISO*, edited by Th. Encrenaz and M. F. Kessler. p107 2 Apr 1993.
 Bektesh, Susan. See Lin, Leu-Fen H.
 Benditt, John (women in science '93): Gender and the culture of science. p383 16 Apr 1993.
 Benhorin, Jesaja; Kalman, Yoram M.; Medina, Aharon; Toubin, Jeffrey; Rave-Harel, Naama; Dyer, Thomas D.; Blangero, John; MacCluer, Jean W.; Kerem, Bat sheva: Evidence of genetic heterogeneity in the long QT syndrome (technical comment). p1960 25 June 1993.
 Bennett, Albert F.: review of *The Hot-Blooded Insects*, by Bernd Heinrich. p1155 21 May 1992.
 Bennett, William R., Jr. See Davis, J. Glenn.
 Benton, Michael J.: Late Triassic extinctions and the origin of the dinosaurs (perspective). p769 7 May 1993.
 Bermingham, Eldredge. See Knowlton, Nancy.
 Beronza, G. See Hill, D. P.
 Bertaux, Jean-Loup. See Lallemand, Rosine.
 Bhargava, Nina. See Pancholi, Preeti.
 Bhartiya, P. K. See Gleason, J. F.
 Bianconi, Patricia A. See Vischer, Glenn T.
 Biddle, Wayne (news): AAAS's very own Red scare. p486 23 Apr 1993.
 Biebuyck, Hans A. See López, Gabriel P.
 Binnig, G. See Ohnesorge, Shui.
 Binzel, Richard P. and Xu, Shui: Chips off of asteroid 4 Vesta: evidence for the parent body of basaltic achondrite meteorites. p186 9 Apr 1993.
 Bishop, Christine E.: review of *The Oldest Old*, edited by Richard M. Suzman, David P. Willis, and Kenneth G. Manton. p1160 21 May 1992.
 Bishop, J. Michael. See Finney, Robert E.
 Bisessing, Ton. See Vijn, Irma.
 Blaber, Michael; Zhang, Xue-jun; Matthews, Brian W.: Structural basis of amino acid α helix propensity. p1637 11 June 1993.
 Blangero, John. See Benhorin, Jesaja.
 Block, Barbara A.; Finnerty, John R.; Stewart, Alexandre F. R.; Kidd, Jessica: Evolution of endothermy in fish: mapping physiological traits on a molecular phylogeny. p210 9 Apr 1993.
 Bloom, A. L. See Edwards, R. Lawrence.
 Bloom, Barry R. See Jacobs, William R., Jr.

- Blumer, Kendall J. See Lange-Carter, Carol A.
Bonner, Francis T. and Hughes, Martin N.: No lack of NO activity (letter). p145 9 Apr 1993.
Bonneville, Marc. See Davodeau, François.
Boothroyd, John C. See Soldati, Dominique.
Borg, Scott: review of *The Geology of Antarctica*, edited by Robert J. Tingey. p375 16 Apr 1993.
Bowers, Michael T.; Kemper, Paul R.; von Helden, Gert; van Koppen, Petra A. M.: Gas-phase ion chromatography: transition metal state selection and carbon cluster formation. p1446 4 June 1993.
Boyington, Jeffrey C.; Gaffney, Betty J.; Amzel, L. Mario: The three-dimensional structure of an arachidonic acid 15-lipoxygenase. p1482 4 June 1993.
Boyle, Lee; O'Neill, Scott L.; Robertson, Hugh M.; Karr, Timothy L.: Interspecific and intraspecific horizontal transfer of *Wolbachia* in *Drosophila*. p1796 18 June 1993.
Bracewell, Ronald N.: Knowing it all (letter). p879 14 May 1993.
Bradley, David (science in Europe): European elites envy American cohesion. p1738 18 June 1993.
Brady, Joseph V. See Davis, J. Glenn.
Brady, R. L.; Dodson, E. J.; Dodson, G. G.; Lange, G.; Davis, S. J.; Williams, A. F.; Barclay, A. N.: Crystal structure of domains 3 and 4 of rat CD4: relation to the NH₂-terminal domains. p979 14 May 1993.
Beauman, John L.: Instrumentation (editorial). p1407 4 June 1993.
Braun, Michael J. See Parsons, Thomas J.
Brehm, Paul. See Naranjo, David.
Bren, G. See Thibodeau, S. N.
Brent, Robert L. See Davis, J. Glenn.
Bretscher, Peter A. See Salk, Jonas.
Breunig, T. M. See Kinney, J. H.
Briegleb, B. P. See Kiehl, J. T.
Broersen, Silvia. See Groenink, Martijn.
Brooks, Edward G. See Colonna, Marco.
Brosha, Eric L.; Davies, Peter K.; Garzon, Fernando H.; Raistrick, Ian D.: Metastability of superconducting compounds in the Y-Ba-Cu-O system. p196 9 Apr 1993.
Broussard, Melanie E.; Juma, Booker; Train, Spencer G.; Peng, Wei-Jun; Laneman, Scott A.; Stanley, George G.: A bimetallic hydroformylation catalyst: high regioselectivity and reactivity through homobimetallic cooperativity. p1784 18 June 1993.
Brown, Mary Ann D. See Lyamichev, Victor.
Brown, J. M. See Zaig, J. M.
Brown, Michael S. See James, Guy L.
Brugge, John S.: New intracellular targets for therapeutic drug design (perspective). p918 14 May 1993.
Brumbaugh, D. See Hill, D. P.
Brune, J. N. See Hill, D. P.
Buntine, Robert A. See Kitsopoulos, Theofanis N.
Burant, Charles F. See Teng, BaBie.
Buratowski, Stephen: DNA repair and transcription: the helicase connection (perspectives). p37 2 Apr 1993.
Burk, Dan L.; Barovsky, Kenneth; Monroy, Gladys H.: Biodiversity and biotechnology (policy forum). p1900 25 June 1993.
Burlatsky, Sergei and Deutch, John: Influence of solid friction on polymer relaxation in gel electrophoresis. p1782 18 June 1993.
Burn, Paul. See Gulbins, Erich.
Burns, Christopher M. See Volarević, Siniša.
Burr, G. S. See Edwards, R. Lawrence.
Bustamante, Carlos. See Rees, William A.
Butler, Bridget. See Smith, Roy G.
Butler, James P. See Wang, Ning.
Butts, M. D. See Kinney, J. H.
- C**
- Cahn, Robert N.: Plasma wave accelerators (letter). p280 16 Apr 1993.
Caine, S. Barak and Koob, George F.: Modulation of cocaine self-administration in the rat through D-3 dopamine receptors. p1814 18 June 1993.
Cairns, John: Directed mutation (letter). p1221 28 May 1993.
Caldwell, John; Hua, Xin-Min; Turgeon, Benoit; Westphal, James A.; Barnett, Christopher D.: The drift of Saturn's north polar spot observed by the Hubble Space Telescope. p326 16 Apr 1993.
Callahan, John H. See McElvany, Stephen W.
Camacho, Patricia and Lechleiter, James D.: Increased frequency of calcium waves in *Xenopus laevis* oocytes that express a calcium-ATPase. p226 9 Apr 1993.
Cameron, Jacques H. See Chardin, Pierre.
Cantor, Charles R. See Sano, Takeshi.
Caplan, Michael J. See Gottardi, Cora J.
Carey, James R. See Vaupel, James W.
———, Curtisinger, J. W.; Vaupel, J. W.: Fruit fly aging and mortality (letter). p1567 11 June 1993. Explaining fruit-fly longevity (technical comment). p1665 11 June 1993.
Carnes, Bruce A. See Olshansky, S. Jay.
Carroll, John J.: Japan's SAT? (letter). p277 16 Apr 1993.
Carter, Robert H. See Tuveson, David A.
Cartier, S. F.; Chen, Z. Y.; Walder, G. J.; Sleppy, C. R.; Castleman, A. W., Jr.: Production of metallo-carbohedrenes in the solid state. p195 9 Apr 1993.
Cascone, Pamela J.; Haydar, Tarik F.; Simon, Anne E.: Sequences and structures required for recombination between virus-associated RNAs. p801 7 May 1993.
Caskey, C. Thomas. See Fu, Ying-Hui.
Cassel, Christine K. See Olshansky, S. Jay.
Castleman, A. W., Jr. See Cartier, S. F.
Castro, R. See Hill, D. P.
Cech, Thomas R. See Wang, Jin-Feng.
Ceruzzi, Paul E.: review of *John von Neumann*, by Norman Macrae. p1164 21 May 1992.
Chabner, Bruce A. and Levy, Ronald: Funding for gene therapy (letter). p877 14 May 1993.
Chakraborty, Ranajit: NRC report on DNA typing (letter). p1059 21 May 1992.
Chamberlin, R. V. and Scheinfein, M. R.: Slow magnetic relaxation in iron: a ferromagnetic liquid. p1098 21 May 1992.
Chambon, Pierre. See Schaeffer, Laurent.
Champagne, Donald E. See Ribeiro, José M. C.
Chan, John. See Jacobs, William R., Jr.
Chan, Michael K.; Kim, Jongum; Rees, D. C.: The nitrogenase FeMo-cofactor and P-cluster pair: 2.2 Å resolution structures. p792 7 May 1993.
Chan, Wanda W.-S. See Smith, Roy G.
Chandler, David W. See Kitsopoulos, Theofanis N.
Chappell, J. M. A. See Edwards, R. Lawrence.
Chappell, J. See Raynaud, D.
Chardin, Pierre; Camonis, Jacques H.; Gale, Nicholas W.; Van Aelst, Linda; Schlessinger, Joseph; Wigler, Michael H.; Bar-Sagi, Dafna: Human Sos 1: a guanine nucleotide exchange factor for Ras that binds to GRB2. p1338 28 May 1993.
Chang, Lee-Yuh P. See Smith, Roy G.
Chauvel, A. See Lucas, Y.
Chawla, Anil. See Baltesperger, Kurt.
Chen, Dexiang. See Marx, Preston A.
Chen, Fan. See Latif, Farida.
Chen, Ruey-Hwa. See Ebner, Reinhard.
———, Ebner, Reinhard; Derynck, Rik: Inactivation of the type II receptor reveals two receptor pathways for the diverse TGF- β activities. p1335 28 May 1993.
Chen, Z. Y. See Cartier, S. F.
Cheng, Hai-Ping and Landman, Uzi: Controlled deposition, soft landing, and glass formation in nanocluster-surface collisions. p1304 28 May 1993.
Cheng, Kang. See Smith, Roy G.
Chemtack, Andrew D. See Baltesperger, Kurt.
Chevreil, Serge D. See Pinet, Patrick C.
Chien, Kenneth R.: Molecular advances in cardiovascular biology (perspective). p916 14 May 1993.
Chinault, A. Craig. See Latif, Farida.
Choi, Dennis W. See Kaku, David A.
Choyke, Peter. See Latif, Farida.
Christensen, Henriette. See Varley, Paul.
Chumakov, Ilya. See Latif, Farida.
Cipra, Barry (news): At state schools, calculus reform goes mainstream. p484 23 Apr 1993. One climber got there first. p1424 4 June 1993. Turning higher mathematics into kids' stuff. p484 23 Apr 1993.
Clapham, David. See Girard, Steven.
Clarke, D. R. See Steinberg, S.
Clarke, John T. See Lallemand, Rosine.
Clemens, Karen R.; Wolf, Veronica; McBryant, Steven J.; Zhang, Penghua; Liao, Xiubei; Wright, Peter E.; Gottesfeld, Joel M.: Molecular basis for specific recognition of both RNA and DNA by a zinc finger protein. p530 23 Apr 1993.
Clerici, Mario. See Salk, Jonas.
Clery, Daniel (news): Redesign creates consternation abroad. p1230 28 May 1993. (science in Europe): ERS-1 gives Europeans new views of the oceans. p1742 18 June 1993. HDTV: a cautionary tale. p1737 18 June 1993. A mixed report card for critical technology projects. p1736 18 June 1993.
Clare, G. Marius. See Varley, Paul.
Coates, Anthony G. See Jackson, Jeremy B. C.
Coecani, Flavio: Carbon monoxide and dilation of blood vessels (letter). p739 7 May 1993.
Coggeshall, K. Mark. See Gulbins, Erich.
Cohen, Fred E.: The parallel β helix of pectate lyase C: something to sneeze at (perspective). p1444 4 June 1993.
Cohen, Jon (news): Drug companies join forces in search for AIDS therapy. p482 23 Apr 1993. Early AZT takes a pounding in French-British 'Concorde' trial. p157 9 Apr 1993. Glossy strategic plan hits the streets. p888 14 May 1993. Keystone's blunt message: 'It's the virus, stupid.'
- p292 16 Apr 1993. MicroGeneSys: NIH faces DOD. p288 16 Apr 1993. Sombre news from the AIDS front. p1712 18 June 1993. (AIDS): AIDS conference in Berlin offers plenty of hidden gems. p1262 28 May 1993. AIDS research: the mood is uncertain. p1254 28 May 1993. Can combination therapy overcome drug resistance? p1258 28 May 1993. Flying Dutchman: Jaap Goudmit. p1263 28 May 1993. How can HIV replication be controlled? p1257 28 May 1993. How can viral variation be overcome? p1260 28 May 1993. Laughing last: Marc Girard. p1264 28 May 1993. On a roller-coaster: James Stott. p1265 28 May 1993. Unlikely recruit: Andrew Leigh Brown. p1264 28 May 1993. What are the correlates of protection? p1259 28 May 1993. What causes the immune system collapse seen in AIDS? p1256 28 May 1993. What HIV parts should be the basis of a vaccine? how should they be presented to the immune system? p1261 28 May 1993.
Cohen, Daniel. See Latif, Farida.
Colas, F. See Sanchez-Lavega, A.
Cole, Julia E.; Fairbanks, Richard G.; Shen, Glen T.: Recent variability in the Southern Oscillation: isotopic results from a Tarawa Atoll coral. p1790 18 June 1993.
Cole, Susan P. C. and Deeley, Roger G.: Multidrug resistance-associated protein: sequence correction (letter). p879 14 May 1993.
Colijn, Hendrik O. See Hamilton, Ewan J. M.
Colley, Nansi J. See Dolph, Patrick J.
Collins, Frank. See Lin, Lei-Fen H.
Collins, Laurel S. See Jackson, Jeremy B. C.
Colonna, Marco; Brooks, Edward G.; Falco, Michela; Ferrara, Giovan Battista; Strominger, Jack L.: Generation of allospecific natural killer cells by stimulation across a polymorphism of HLA-C. p1121 21 May 1992.
Compans, Richard W. See Marx, Preston A.
Conlon, Kevin. See Taub, Dennis D.
Cook, James M. See Passador, Luciano.
Cooper, George, IV. See Tsutsumi, Hiroyuki.
Copeland, Neal G. See Yokoyama, Takahiko.
Corcoran, Elizabeth (news): Computing's controversial patron. p20 2 Apr 1993.
Coté, Gary G. See Kim, Hak Yong.
Craig, Elizabeth A.: Chaperones: helpers along the pathways to protein folding (perspective). p1902 25 June 1993.
Crain, Richard C. See Kim, Hak Yong.
Crawford, Nigel M. See Tsay, Yi-Fang.
Creamer, Winifred: review of *Wealth and Hierarchy in the Intermediate Area*, edited by Frederick W. Lange. p245 9 Apr 1993.
Crossey, Paul A. See Latif, Farida.
Crkvenjakov, R. See Drmanac, R.
Crowley, Craig W. See James, Guy L.
Culotta, Elizabeth (news): At each other's throats. p893 14 May 1993. Gorilla genetics. p892 14 May 1993. Mass job extinctions at L.A. museum. p1584 11 June 1993. New startups move in as gene therapy goes commercial. p914 14 May 1993. Seesawing on syphilis. p892 14 May 1993. (women in science '93): Entrepreneurs say: 'it's better to be the boss' p406 16 Apr 1993. Women struggle to crack the code of corporate culture. p398 16 Apr 1993. Work and family: still a two-way stretch. p401 16 Apr 1993. Cursinger, J. W. See Carey, James R.
Czech, Michael P. See Baltesperger, Kurt.
- D**
- Dabberdt, W. F.; Lenschow, D. H.; Horst, T. W.; Zimmerman, P. R.; Oncley, S. P.; Delany, A. C.: Atmosphere-surface exchange measurements. p1472 4 June 1993.
Dahlberg, James E. See Lyamichev, Victor.
Danishefsky, Samuel J.; McClure, Kim F.; Randolph, John T.; Ruggeri, Roger B.: A strategy for the solid-phase synthesis of oligosaccharides. p1307 28 May 1993.
das Neves, Lucinda. See Vijn, Irma.
Daube, B. C. See Wofsy, S. C.
Davidson, Nicholas O. See Teng, BaBie.
Davies, Peter K. See Brosha, Eric L.
Davis, J. Glenn; Bennett, William R., Jr.; Brady, Joseph V.; Brent, Robert L.; Gordis, Leon; Gordon, William E.; Greenhouse, Samuel W.; Reiter, Russel J.; Stein, Gary S.; Susskind, Charles; Trichopoulos, Dimitrios: EMF and cancer (letter). p13 2 Apr 1993.
Davis, S. See Hill, D. P.
Davis, S. J. See Brady, R. L.
Davis, Samuel; Aldrich, Thomas H.; Stahl, Neil; Pan, Li; Taga, Tetsuya; Kishimoto Tadami; Ip, Nancy Y.; Yancopoulos, George D.: LIFR β and gp130 as heterodimerizing signal transducers of the tripartite CNTF receptor. p1805 18 June 1993.
Davodeau, François; Peyrat, Marie-Alix; Houde, Isabelle; Hallet, Marie-Martine; De Libero, Gennaro; Vié, Henri;

Bonneville, Marc: Surface expression of two distinct functional antigen receptors on human $\gamma\delta$ T cells. p1800 18 June 1993.

Dean, Caroline. See Tzeng, Yi-Fang.

Dean, Michael. See Latif, Farida.

de Campos-Lima, Pedro-Otávio; Gavioli, Riccardo; Zhang, Qian-Jin; Wallace, Lesley E.; Dolcetti, Riccardo; Rowe, Martin; Rickinson, Alan B.; Muscucci, Maria G.: HLA-A11 epitope loss isolates of Epstein-Barr virus from a highly A11⁺ population. p98 2 Apr 1993.

de Dios, Angel C.; Pearson, John G.; Oldfield, Eric: Secondary and tertiary structural effects on protein NMR chemical shifts: an ab initio approach. p1491 4 June 1993.

Deeley, Roger G. See Cole, Susan P. C.

DeGuzman, R. N. See Shen, Y. F.

de la Chapelle, Albert. See Aaltonen, Lauri A. See also Peltomäki, Päivi.

Delany, A. C. See Dabberdt, W. F.

De Libero, Gennaro. See Davodeau, François.

Delmas, R. J. See Raynaud, D.

Denman, Norris: Tyrolean paraphernalia (letter). p147 9 Apr 1993.

Denton, George H. See Marchant, David R.

dePollo, D. See Hill, D. P.

Derbyshire, Victoria. See Beese, Lorena S.

DeRose, Victoria J. See Yachandra, Vittal K.

Derynck, Rik. See Chen, Ruy-Hwa. See also Ebner, Reinhard.

Desiderio, Stephen. See Lin, Wei-Chin.

deSolms, S. Jane. See Kohl, Nancy E.

Deutsch, John. See Burlatky, Sergei.

Devaney, Robert L.: review of *The General Problem of the Stability of Motion*, by A. M. Lyapunov, and *Nonlinearities in Action*, by A. V. Gaponov-Grekhov and M. I. Rabinovich. p1173 21 May 1992.

Devlin, B.; Risch, Neil; Roeder, Kathryn: NRC report on DNA typing (letter). p1057 21 May 1992.

De Weer, Paul. See Gadsby, David C.

Dickman, Steven (science in Europe): Science held back by ghosts of the past. p1748 18 June 1993. Solidarity pays off for the elites of Polish science. p1747 18 June 1993.

Dilcher, David L. See Van Der Bergh, Johan.

Dizhoor, Alexander M. See Hurley, James B.

Dodson, E. J. See Brady, R. L.

Dodson, G. G. See Brady, R. L.

Doherty, Daniel H. See Lin, Leu-Fen H.

Dolan, Shawn E. See Hamilton, Ewan J. M.

Dolcetti, Riccardo. See de Campos-Lima, Pedro-Otávio.

Dolph, Patrick J.; Ranganathan, Rama; Colley, Nansi J.; Hardy, Robert W.; Solochik, Michael; Zucker, Charles S.: Arrestin function in inactivation of G protein-coupled receptor rhodopsin in vivo. p1910 25 June 1993.

Donahue, D. J. See Edwards, R. Lawrence.

Donovan, Jerald A. See Howis, Robin R.

Dorman, Craig E.: Audit at Woods Hole (letter). p145 9 Apr 1993.

Downs, William D. See Wang, Jin-Feng.

Drake, Frank: Extraterrestrial intelligence (letter). p474 23 Apr 1993.

Drell, Persis S.: review of *Dynamics of the Standard Model*, by John F. Donoghue, Eugene Golowich, and Barry R. Holstein. p107 2 Apr 1993.

Drmanac, R.; Drmanac, S.; Strezoska, Z.; Paunesku, T.; Labat, I.; Zeremski, M.; Snood, J.; Funkhouser, W. K.; Koop, B.; Hood, L.; Crkvenjakov, R.: DNA sequence determination by hybridization: a strategy for efficient large-scale sequencing. p1649 11 June 1993.

Drmanac, S. See Drmanac, R.

Druffel, E. R. M. See Edwards, R. Lawrence.

Duan, Dah-Shuhn R. See Latif, Farida.

Dubel, Stefan J. See Soong, Tuck Wah.

Ducker, W. See Steinberg, S.

Dudel, Serena M. See Kirkwood, Alfredo.

Duesberg, Peter: HIV and AIDS (letter). p1705 18 June 1993.

Duh, Fuh-Mei. See Latif, Farida.

Dunning, Nicholas P.: review of *Pre-Columbian Population History in the Maya Lowlands*, edited by T. Patrick Culbert and Don S. Rice. p376 16 Apr 1993.

Dyer, Thomas D. See Benhorin, Jesaja.

E

Eberhart-Phillips, Donna. See Sieh, Kerry.

Ebner, Reinhard. See Chen, Ruy-Hwa.

_____; Chen, Ruy-Hwa; Shum, Lillian; Lawler, Sean; Zioncheck, Thomas F.; Lee, Angela; Lopez, Alfredo R.; Derynck, Rik: Cloning of a type I TGF- β receptor and its effect on TGF- β binding to the type II receptor. p1344 28 May 1993.

Edwards, R. Lawrence; Beck, J. Warren; Burr, G. S.;

Donahue, D. J.; Chappell, J. M. A.; Bloom, A. L.; Druffel, E. R. M.; Taylor, F. W.: A large drop in atmospheric $^{14}\text{C}/^{12}\text{C}$ and reduced melting in the Younger Dryas, documented with ^{230}Th ages of corals. p962 14 May 1993.

Egry, Jean-Marc. See Schaeffer, Laurent.

Elder, Frederick F. B. See Yokoyama, Takahiko.

Eldridge, John H. See Marx, Preston A.

Ellsworth, W. L. See Hill, D. P.

Emr, Scott D. See Schu, Peter V.

England, Robert K.: review of *Before Writing*, by Denise Schmandt-Besserat. p1670 11 June 1993.

Erard, François; Wild, Marie-Thérèse; Garcia-Sanz, Jose A.; Le Gros, Graham: Switch of CD8 T cells to noncytolytic CD8CD4 cells that make $\text{T}_\text{H}2$ cytokines and help B cells. p1802 18 June 1993.

Espinosa, Manuel. See Pérez-Martín, José.

Evans, Glen A.: "MegaYAC" library (letter). p877 14 May 1993.

Evans, Ronald M. See Lee, Min S.

Ewing, Tania (news): Genetic 'master switch' for left-right symmetry found. p624 30 Apr 1993.

F

Fairbanks, Richard G. See Cole, Hill E.

Falco, Michela. See Colonna, Marco.

Fan, S.-M. See Wofsy, S. C.

Fathman, C. Garrison: Correction: omitted author (letter). p280 16 Apr 1993.

Faust, Bruce C.; Anastasio, Cort; Allen, John M.; Arakaki, Takemitsu: Aqueous-phase photochemical formation of peroxides in authentic cloud and fog waters. p73 2 Apr 1993.

Fearon, Douglas T. See Tuveson, David A.

Feig, Larry A.: The many roads that lead to Ras (perspective). p167 7 May 1993.

Feinberg, Andrew P. See Koi, Minoru.

Fenwick, Raymond G., Jr. See Fu, Ying-Hui.

Ferguson-Smith, Malcolm A. See Latif, Farida.

Ferrara, Giovan Battista. See Colonna, Marco.

Fetkenko, M. A. See Oshinsky, S. R.

Feychting, Maria. See Ahlborn, Anders.

Fill, Michael. See Györke, Sandor.

Fink, T. M. See Werner, B. T.

Finnerty, John R. See Block, Barbara A.

Finney, Robert E. and Bishop, J. Michael: Predisposition to neoplastic transformation caused by gene replacement of H-ras1. p1524 4 June 1993.

Fischer, Paul A. See Prins, Jan-Bas.

Fish, Durland. See Barbour, Alan G.

Fisher, Michael H. See Smith, Roy G.

Fisk, Zachary and Aepli, Gabriel: Superstructures and superconductivity (perspectives). p38 2 Apr 1993.

Flam, Faye (news): Chemists simulate smart beakers. p291 16 Apr 1993. A double dose of gamma-ray bursts. p756 7 May 1993. EUVE takes the long view. p1879 25 June 1993. Galaxies in collision—up close. p1425 4 June 1993. How to grow buckytubes. p164 9 Apr 1993. Mirror, mirror, which is the fairest? p483 23 Apr 1993. NASA PR: hype or public education? p1416 4 June 1993. A new director promises to focus on service. p1717 18 June 1993. New plastics, new tricks. p165 9 Apr 1993. The next transistor? p291 16 Apr 1993. Practicing the poor man's brand of particle physics. p622 30 Apr 1993. Rolling back the costs of computing. p290 16 Apr 1993. Scientists chase gravity's rainbow. p493 23 Apr 1993. Space telescope institute: inside the black box. p1716 18 June 1993. Spinning in the dark. p1593 11 June 1993. A split-personality supernova. p1878 25 June 1993. Tough company in M15. p1878 25 June 1993. Upscale quantum mechanics. p165 9 Apr 1993. Whither the universe? p1879 25 June 1993.

Flom, Erik B.; Li, Mengyang; Acero, Anibal; Maskil, Nissan; Rice, Stuart A.: In-plane structure of the liquid-vapor interface of an alloy: a grazing incidence x-ray diffraction study of bismuth-gallium. p332 16 Apr 1993.

Flynn, L. See Gleason, J. F.

Flynn, Sarah E. See Andersen, Bogi.

Fong, Kenneth. See Misty, Anita.

Ford, Miriam D. See Nurcombe, Victor.

Forster, Catherine A. See Rogers, Raymond R.

Fouchier, Ron A. M. See Groenink, Martijn.

Frank, C. See Steinberg, S.

Frank, Lawrence G. See Yalcinkaya, Tamer M.

Frank, Martin: Experimental biology '93 (letter). p1411 4 June 1993.

Frank, Mary J. See Tzeng, Yi-Fang.

Franssen, Henk. See Vijn, Irma.

Freedman, David H. (news): A clouded future for IBM research. p480 23 Apr 1993. Putting handwriting recognition in. p1723 18 June 1993.

Freeman, Stanley and Rodriguez, Rusty J.: Genetic con-

version of a fungal plant pathogen to a nonpathogenic, endophytic mutualist. p75 2 Apr 1993.

Freidel, David A.: review of *Cuello*, edited by Norman Hammond. p1353 28 May 1993.

Frey, U.; Huang, Y.-Y.; Kandel, E. R.: Effects of cAMP simulate a late stage of LTP in hippocampal CA1 neurons. p1661 11 June 1993.

Friedman, David L. See Fu, Ying-Hui.

Frieman, Joshua A. and Gradwohl, Ben-Ami: Dark matter and the equivalence principle (perspective). p1441 4 June 1993.

Frisbie, C. Daniel. See López, Gabriel P.

Froehner, Brian C. See Wagner, Richard W.

Frucht, William: Serious thrills. p1150 21 May 1992.

Fry, Michael J. See Schu, Peter V.

Fu, Ying-Hui; Friedman, David L.; Richards, Stephen; Pearlman, Joel A.; Gibbs, Richard A.; Pizzuti, Antonio; Ashizawa, Tetsuo; Perryman, M. Benjamin; Scarlato, Guglielmo; Fenwick, Raymond G., Jr.; Caskey, C. Thomas: Decreased expression of myotonic-protein kinase messenger RNA and protein in adult form of myotonic dystrophy. p235 9 Apr 1993.

Fullard, James H.: review of *The Sonar of Dolphins*, by Whitlow W. L. Au. p1672 11 June 1993.

Funkhouser, W. K. See Drmanac, R.

Furtado, Manohar R. See Patterson, Bruce K.

Furusue, Masanori. See Shirasawa, Senji.

Futymura, Douglas J.: review of *Keywords in Evolutionary Biology*, by Evelyn Fox Keller and Elisabeth A. Lloyd. p1153 21 May 1992.

Fye, James. See Hunter, Joanna.

G

Gadsby, David C.; Rakowski, R. F.; De Weer, Paul: Extracellular access to the Na,K pump: pathway similar to ion channel. p100 2 Apr 1993.

Gaffey, Michael J.: Forging an asteroid-meteorite link (perspective). p167 9 Apr 1993.

Gaffney, Betty J. See Boyington, Jeffrey C.

Gaffney, Erin. See Prins, Jan-Bas.

Gale, Nicholas W. See Chardin, Pierre.

Gallagher, Richard B.: Science in Europe (editorial). p1703 18 June 1993.

Gambello, Michael J. See Passador, Luciano.

Gao, Wei-Qiang and Hatten, Mary E.: Neuronal differentiation rescued by implantation of Weaver granule cell precursors into wild-type cerebellar cortex. p367 16 Apr 1993.

Garcia-Sanz, Jose A. See Erard, François.

Gardner, Anne M. See Lange-Carter, Carol A.

Garzon, Fernando H. See Brosha, Eric L.

Gasparini, Paolo: Research on volcanic hazards in Europe (perspective). p1759 18 June 1993.

Gautason, Bjarni and Muehlenbachs, Karlis: Oxygen diffusion in perovskite: implications for electrical conductivity in the lower mantle. p518 23 Apr 1993.

Gavioli, Riccardo. See de Campos-Lima, Pedro-Otávio.

Gavrilov, Leonid A. and Gavrilova, Natalia S.: Fruit fly aging and mortality (letter). p1565 11 June 1993.

Gavrilova, Natalia S. See Gavrilov, Leonid A.

Ge, Maohui and Sattler, Klaus: Vapor-condensation generation and STM analysis of fullerene tubes. p515 23 Apr 1993.

Geil, Laura. See Latif, Farida.

Georgopoulos, Apostolos P.; Taira, Masato; Lukashin, Alexander: Cognitive neurophysiology of the motor cortex. p47 2 Apr 1993.

Germanovich, Leonid N. See Lowell, Robert P.

Gerstel, Naomi: review of *American Lives*, by John A. Clausen. p1157 21 May 1992.

Gersuk, Vivian H. and Rose, Timothy M.: Database contamination (letter). p605 30 Apr 1993.

Gettice, Agegnehu. See Marx, Preston A.

Ghosh, Soumitra. See Prins, Jan-Bas.

Gibbons, Ann (women in science '93): Gaining standing—by standing out. p393 16 Apr 1993. No more stressed-out supermom. p385 16 Apr 1993. A thoroughly modern marriage. p411 16 Apr 1993. Traveling without maps. p399 16 Apr 1993.

Gibbs, Jackson B. See Kohl, Nancy E.

Gibbs, Richard A. See Fu, Ying-Hui.

Gibson, Robert: review of *Dummock Behaviour and Social Evolution*, by N. B. Davies. p374 16 Apr 1993.

Giddings, J. Calvin: Field-flow fractionation: analysis of macromolecular, colloidal, and particulate materials. p1456 4 June 1993.

Giffard, Rona G. See Kaku, David A.

Gilley, Richard M. See Marx, Preston A.

Gingras, Yves: review of *Out of the Crystal Maze*, edited by Lillian Hoddeson, Ernest Braun, Jürgen Teichmann, and Spencer Weart. p1165 21 May 1992.

Ginty, David D. See Bading, Hilmar.

H

- Kornhauser, Jon M.; Thompson, Margaret A.; Bading, Hilmar; Mayo, Kelly E.; Takahashi, Joseph S.; Greenberg, Michael E.: Regulation of CREB phosphorylation in the suprachiasmatic nucleus by light and a circadian clock. p238 9 Apr 1993.
- Girard, Steven and Clapham, David: Acceleration of intracellular calcium waves in *Xenopus* oocytes by calcium influx. p229 9 Apr 1993.
- Giuliani, Elizabeth A. See Kohl, Nancy E.
- Glass, C. Roger. See Prussin, Anita G.
- Glatzmaier, Gary A. See Sun, Zi-Ping.
- Glavač, Damjan. See Latif, Farida.
- Gleason, J. F.; Bhartiya, P. K.; Herman, J. R.; McPeters, R.; Newman, P.; Stolarski, R. S.; Flynn, L.; Labow, G.; Larko, D.; Sefor, C.; Wellemeyer, C.; Komhyr, W. D.; Miller, A. J.; Planet, W.: Record low global ozone in 1992. p523 23 Apr 1993.
- Gleason, Jean Berko: review of *Beginning to Spell*, by Rebecca Treiman. p1669 11 June 1993.
- Glenn, Gladys. See Latif, Farida.
- Glick, Thomas F.: review of *Denationalizing Science*, edited by Elizabeth Crawford, Terry Shin, and Sverker Sörlin. p1827 18 June 1993.
- Glickman, Stephen E. See Yalcinkaya, Tamer M.
- Glover, Norman. See Allen, Allen D.
- Glusker, Jenny P.: review of *Macromolecular Crystallography with Synchrotron Radiation*, by John R. Helliwell. p1010 14 May 1993.
- Gnarra, James. See Latif, Farida.
- Gold, Geoffrey H. See Wang, Hai-Wei.
- Gold, Jay A.; Zaremski, Miles J.; Lev, Elaine Rappaport; Shefrin, Deborah H.: Judging science (letter). p879 14 May 1993.
- Gold, Joel T. See Kirkwood, Alfredo.
- Goldman, Frederick D. See Hovis, Robin R.
- Goldman-Rakie, Patricia S. See Wilson, Fraser A. W.
- Goldstein, Joseph L. See James, Guy L.
- Gomberg, J. See Hill, D. P.
- Goodman, Billy (news): Research community swats grasshopper control trial. p887 14 May 1993.
- Goodman, D. Wayne. See Rodriguez, Jose A.
- Goodman, Morris: Incorrect GenBank numbers (letter). p608 30 Apr 1993.
- Goodby, Charles. See Patterson, Bruce K.
- Gordin, Leon. See Davis, J. Glenn.
- Gordon, William E. See Davis, J. Glenn.
- Gottardi, Corn J. and Caplan, Michael J.: Delivery of Na⁺/K⁺-ATPase in polarized epithelial cells (technical comment). p552 23 Apr 1993.
- Gottesfeld, Joel M. See Clemens, Karen R.
- Gougeon, Marie-Lise and Montagnier, Luc: Apoptosis in AIDS (perspective). p1269 28 May 1993.
- Goulden, M. L. See Wofsy, S. C.
- Gradwohl, Ben-Ami. See Frieman, Joshua A.
- Grafen, Alan. See Hurst, Laurence D.
- Graham, Samuel L. See Kohl, Nancy E.
- Grainger, David J.; Kirschenlohr, Heide L.; Metcalfe, James C.; Weisberg, Peter L.; Wade, David P.; Lawn, Richard M.: Proliferation of human smooth muscle cells promoted by lipoprotein(a). p1655 11 June 1993.
- Grant, Michael L.: Tyrolean paraphernalia (letter). p146 9 Apr 1993.
- Graves, Joseph L. See Nusbaum, Theodore J.
- Greb, G. Allen: review of *The Origins of SDI, 1944-1983*, by Donald R. Baucorn. p831 7 May 1993.
- Green, Jane S. See Peltomäki, Päivi.
- Greenberg, Michael E. See Bading, Hilmar. See also Ginty, David D.
- Greenhouse, Samuel W. See Davis, J. Glenn.
- Greenlee, Robert. See Mistry, Anita.
- Greenwood, David R.; Wing, Scott L.; Behrens-meyer, Anna K.: Determining paleoclimates (letter). p278 16 Apr 1993.
- Grobman, Arnold: A competitive education (letter). p1862 25 June 1993.
- Groenink, Martijn; Fouchier, Ron A. M.; Broersen, Silvia; Baker, Catriona H.; Koot, Maarten; van't Wout, Angélique B.; Huisman, Han G.; Miedema, Frank; Tersmette, Matthijs; Schuitemaker, Hanneke: Relation of phenotype evolution of HIV-1 to envelope V2 configuration. p1513 4 June 1993.
- Gronborn, Angeles M. See Varley, Paul.
- Gross, Werner. See Ruzicka, Viktor.
- Gulbins, Erich; Coggeshall, K. Mark; Baier, Gottfried; Katzw, Shulamit; Burn, Paul; Altman, Ammon: Tyrosine kinase-stimulated guanine nucleotide exchange activity of Vav in T cell activation. p822 7 May 1993.
- Gulizia, Richard J. See Mosier, Donald E.
- Guthrie, George D., Jr. See Veblen, David R.
- Gutierrez, Arnold J. See Wagner, Richard W.
- Györke, Sandor and Fill, Michael: Ryanodine receptor adaptation: control mechanism of Ca²⁺-induced Ca²⁺ release in heart. p807 7 May 1993.
- Hallet, Marie-Martine. See Davodeau, François.
- Hamilton, Ewan J. M.; Dolan, Shawn E.; Mann, Charles M.; Colijn, Hendrik O.; McDonald, Clare A.; Shore, Sheldon G.: Preparation of amorphous boron nitride and its conversion to a turbostratic, tubular form. p659 30 Apr 1993.
- Hamilton, Stanley R. See Aaltonen, Lauri A. See also Peltomäki, Päivi.
- Hammack, William S. See Winters, Robert R.
- Han, S. See Piano, M. A.
- Handyside, Alan H. See Winston, Robert M. L.
- Hansen, Klava. See Yeretian, Chahan.
- Hansen, Vicki L. and Phillips, Roger J.: Tectonics and volcanism of eastern Aphrodite Terra, Venus: no subduction, no spreading. p526 23 Apr 1993.
- Hapke, Bruce W.; Nelson, Robert M.; Smythe, William D.: The opposition effect of the moon: the contribution of coherent backscatter. p509 23 Apr 1993.
- Harada, Toshie; Kagamiyama, Hiroyuki; Hatakeyama, Kazuyuki: Feedback regulation mechanisms for the control of GTP cyclohydrolase I activity. p1507 4 June 1993.
- Hardy, Robert W. See Dolph, Patrick J.
- Harmen, S. See Hill, D. P.
- Harpending, Henry: review of *Evolutionary Ecology and Human Behavior*, edited by Eric Alden Smith and Bruce Winterhalder. p1176 21 May 1992.
- Harper, Douglas: review of *Anthropology and Photography, 1860-1920*, edited by Elizabeth Edwards. p1184 21 May 1992.
- Hartl, Daniel L. and Lewontin, Richard C.: DNA fingerprinting report (letter). p473 23 Apr 1993.
- Harvey, Paul H. See Read, Andrew F.
- Hatakeyama, Kazuyuki. See Harada, Toshie.
- Hatfull, Graham F. See Jacobs, William R., Jr.
- Hatten, Mary E. See Gao, Wei-Qiang.
- Hauksson, Egill. See Sieh, Kerry.
- Haupt, D. See Kinney, J. H.
- Havens, Karl: Effect of scale on food web structure (technical comment). p243 9 Apr 1993.
- Hawkins, Joel M. and Meyer, Axel: Optically active carbon: kinetic resolution of C₉₆ by asymmetric osmylation. p1918 25 June 1993.
- Hawkins, Robert D. See Zhuo, Min.
- Haydar, Tarik F. See Cascone, Pamela J.
- Haynes, Barton F.: Scientific and social issues of human immunodeficiency virus vaccine development. p1279 28 May 1993.
- Hazard, Jo M. H. See Ribeiro, José M. C.
- Heaney, Peter J. See Veblen, David R.
- Heaton, Thomas. See Sieh, Kerry.
- Hedrick, Stephen M. See Penninger, Josef.
- Heidemann, Steven R.: A new twist on integrins and the cytoskeleton (perspective). p1080 21 May 1992.
- Heiney, Paul A. See Josefowicz, Jack Y.
- Heinrich, Bernd: review of *Insect Learning*, edited by Daniel R. Papaj and Alcinda C. Lewis. p705 30 Apr 1993.
- Herbst, T. M. See Allamandola, L. J.
- Herf, Jeffrey: review of *The Environmental Movement in Germany*, by Raymond H. Dominick III. p1353 28 May 1993.
- Herman, J. R. See Gleason, J. F.
- Hibi, Masahiko. See Murakami, Masaaki.
- Hickey, Gerard. See Smith, Roy G.
- Hicks, R. Edwin. See Probst, Ronald F.
- Hilborn, Ray. See Ludwig, Donald.
- Hill, D. P.; Reasenber, P. A.; Michael, A.; Arabaz, W. J.; Beroza, G.; Brumbaugh, D.; Brune, J. N.; Castro, R.; Davis, S.; dePollo, D.; Ellsworth, W. L.; Gomberg, J.; Harmsen, S.; House, L.; Jackson, S. M.; Johnston, M. J. S.; Jones, L.; Keller, R.; Malone, S.; Mungula, L.; Nava, S.; Pechmann, J. C.; Sanford, A.; Simpson, R. W.; Smith, R. B.; Stark, M.; Stickney, M.; Vidal, A.; Walter, S.; Wong, V.; Zollweg, J.: Seismicity remotely triggered by the magnitude 7.3 Landers, California, earthquake. p1617 11 June 1993.
- Hille, Bertil. See Tee, Amy.
- Hinkle, Gregory. See Wainwright, Patricia O.
- Hjelmfelt, A.; Schneider, F. W.; Ross, J.: Pattern recognition in coupled chemical kinetic systems. p335 16 Apr 1993.
- Hochner, Binyamin. See Backsai, Brian J.
- Hod, Yaacov. See Moxham, Christopher M.
- Hodson, Connie D. See Soong, Tuck Wah.
- Hoeijmakers, Jan H. J. See Schaeffer, Laurent.
- Hogarth, P. Mark. See Prins, Jan-Bas.
- Högné, Jürg. See Zuo, Yungang.
- Holloway, John R. See Pawley, Alison R.
- Holmes, Bob (environment & the economy): Can sustainable farming win the battle of the bottom line? p1893 25 June 1993.
- Hood, L. See Drmanac, R.
- Hori, Michio: Frequency-dependent natural selection in the handedness of scale-eating cichlid fish. p216 9 Apr 1993.
- Horowitz, Mark C.: Cytokines and estrogen in bone: anti-osteoporotic effects (perspective). p626 30 Apr 1993.
- Horst, T. W. See Dabberdt, W. F.
- Hoth, Daniel F. See Johnston, Margaret I.
- Houde, Isabelle. See Davodeau, François.
- Hough, Susan. See Sieh, Kerry.
- House, L. See Hill, D. P.
- Houston, Stephen: review of *The Gods and Symbols of Ancient Mexico and the Maya*, by Mary Miller and Karl Taube. p1182 21 May 1992.
- Hovis, Robin R.; Donovan, Jerald A.; Musci, Michael A.; Motto, David G.; Goldman, Frederick D.; Ross, Susan E.; Koretzky, Gary A.: Rescue of signaling by a chimeric protein containing the cytoplasmic domain of CD45. p544 23 Apr 1993.
- Howcroft, T. Kevin; Strebel, Klaus; Martin, Malcolm A.; Singer, Dinah S.: Repression of MHC class I gene promoter activity by two-exon Tat of HIV. p1320 28 May 1993.
- Hsieh, Chyi-Song; Macatonia, Steven E.; Tripp, Catherine S.; Wolf, Stanley F.; O'Garra, Anne; Murphy, Kenneth M.: Development of T_H1 CD4⁺ T cells through IL-12 produced by *Listeria*-induced macrophages. p547 23 Apr 1993.
- Hsieh, Linda C.; Yonkovich, Shirlee; Kochersperger, Lynn; Schultz, Peter G.: Controlling chemical reactivity with antibodies. p337 16 Apr 1993.
- Hua, Xin-Min. See Caldwell, John.
- Huang, X. See Stewart, T. A.
- Huang, Y.-Y. See Frey, U.
- Huchra, John: review of *The Andromeda Galaxy*, by Paul Hodge. p1175 21 May 1992.
- Hudnut, Kenneth. See Sieh, Kerry.
- Huffman, Donald R. See McElvany, Stephen W.
- Huffman, John C. See Lambert, Joseph B.
- Hughes, Martin N. See Bonner, Francis T.
- Huisman, Han G. See Groenink, Martijn.
- Hully, J. See Stewart, T. A.
- Hultgren, B. See Stewart, T. A.
- Humbert, Sandrine. See Schaeffer, Laurent.
- Hunter, Joanna; Fye, James; Jarrold, Martin F.: Annealing C₆₀: synthesis of fullerenes and large carbon rings. p784 7 May 1993.
- Hurley, James B.; Dzhoro, Alexander M.; Ray, Sanghanna; Stryer, Lubert: Recoverin's role: conclusion withdrawn (letter). p740 7 May 1993.
- Hurst, Laurence D. and Grafen, Alan: Unusual mutational mechanisms and evolution (technical comment). p1959 25 June 1993.
- Hutton, Kate. See Sieh, Kerry.
- Hyukjin, C. See Steinberg, S.

I and J

- Idziak, Stefan H. J. See Josefowicz, Jack Y.
- Igleswsky, Barbara H. See Passador, Luciano.
- Itton, Eugene S. See Veblen, David R.
- Inger, Donald E. See Wang, Ning.
- Inside AAAS: AAAS annual election: preliminary announcement. p1963 25 June 1993. Board cancels Denver meeting plans. p1350 28 May 1993. Bridges of science. p701 30 Apr 1993. Calling all critics. p1965 25 June 1993. The problem solvers: engineers with disabilities. p1349 28 May 1993. Radio program teaches kids about science. p700 30 Apr 1993. Report on 1993 council meeting. p702 30 Apr 1993. Science Innovation '93. p1965 25 June 1993. Sending journals to the FSU. p1350 28 May 1993. Student research awards. p701 30 Apr 1993. Upcoming division meetings. p701 30 Apr 1993.
- Ip, Nancy Y. See Davis, Samuel.
- Ishihara, Kazuaki. See Tsutsumi, Hiroyuki.
- Israelachvili, J. N. See Steinberg, S.
- Iyer, S. S. and Xie, Y.-H.: Light emission from silicon. p40 2 Apr 1993.
- Jablonski, David. See Raup, David M.
- Jacks, Tom. See Smith, Roy G.
- Jackson, Jeremy B. C.; Jung, Peter; Coates, Anthony G.; Collins, Laurel S.: Diversity and extinction of tropical American mollusks and emergence of the Isthmus of Panama. p1624 11 June 1993.
- Jackson, S. M. See Hill, D. P.
- Jacobs, William R., Jr.; Barlett, Raúl G.; Udani, Rupa; Chan, John; Kalkut, Gary; Some, Gabriel; Kieser, Tobias; Sarkis, Gary J.; Hatfull, Graham F.; Bloom, Barry R.: Rapid assessment of drug susceptibilities of *Mycobacterium tuberculosis* by means of luciferase reporter phages. p819 7 May 1993.

Jago, J. B.: review of *Tribolites*, by H. B. Whittington. p1671 11 June 1993.

James, Guy L.; Goldstein, Joseph L.; Brown, Michael S.; Rawson, Thomas E.; Somers, Todd C.; McDowell, Robert S.; Crowley, Craig W.; Lucas, Brian K.; Levinson, Arthur D.; Martens, James C., Jr.: Benzodiazepine peptidomimetics: potent inhibitors of Ras farnesylation in animal cells. p1937 25 June 1993.

Jarrod, Martin F. See Hunter, Joanna.

Järvinen, Heikki. See Aaltonen, Lauri A. See also Peltonmäki, Päivi.

Jasny, Barbara R.: AIDS 1993: unanswered questions (editorial). p1219 28 May 1993.

——— and Miller, Linda J.: The human cornucopia (editorial). p875 14 May 1993.

Jam, Jeremy R. See Peltonmäki, Päivi.

Jayawardhana, Ray (news): A new supernova in the northern sky. p163 9 Apr 1993. A new way to rev up a fast pulsar. p1720 18 June 1993. Quasars: double darkness in Draco. p625 30 Apr 1993.

Jeanloz, Raymond. See Kim, In Ho.

Jeggo, Penny A. See Taccioli, Guillermo E.

Jen, Jin. See Aaltonen, Lauri A.

Jenkins, Nancy A. See Yokoyama, Takahiko.

Jhung, Kyu Soo. See Kim, In Ho.

Johnson, Gary L. See Lange-Carter, Carol A.

Johnson, Irving S.: Drugs from Third World plants: creative approaches (letter). p145 9 Apr 1993.

Johnson, Laura A. See Koi, Minoru.

Johnson, Mark: Bipolar spin switch. p320 16 Apr 1993.

Johnston, M. J. S. See Hill, D. P.

Johnston, Margaret I. and Hoch, Daniel F.: Present status and future prospects for HIV therapies. p1286 28 May 1993.

Jones, L. See Hill, D. P.

Jones, Lucile. See Sieh, Kerry.

Josefowicz, Jack V.; Maliszewski, Nicholas C.; Idriak, Stefan H. J.; Heiney, Paul A.; McCauley, John P., Jr.; Smith, Amos B., III: Structure of Langmuir-Blodgett films of disk-shaped molecules determined by atomic force microscopy. p323 16 Apr 1993.

Joskow, Paul L. and Marron, Donald B.: What does utility-subsidized energy efficiency really cost? (policy forum). p281 16 Apr 1993.

Jouzel, J. See Raynaud, D.

Judith, Fred. See Smith, Roy G.

Juma, Booker. See Broussard, Melanie E.

June, Carl H. See Volarevic, Sinisa.

Jung, Peter. See Jackson, Jeremy B. C.

Jurmak, Frances. See Yoder, Marilyn D.

K

Kaang, Bong-Kiun. See Bacsaki, Brian J.

Kaelin, William G. See Wang, Chung-Yih.

Kagamiyama, Hiroyuki. See Harada, Toshie.

Kahn, Patricia (science in Europe): Reunification: scientists in the East count the costs. p1744 18 June 1993. The West copes... for now. p1745 18 June 1993. Where East meets West. p1746 18 June 1993. (women in science '93): Lone Star State. p421 16 Apr 1993. Scandinavian fairy tale. p404 16 Apr 1993.

Kaku, David A.; Clifard, Rona G.; Choi, Dennis W.: Neuroprotective effects of glutamate antagonists and extracellular acidity. p1516 4 June 1993.

Kakutani, Tetsuji. See Vongs, Aurawan.

Kalikin, Linda M. See Koi, Minoru.

Kalish, John M.: Fish otolith chemistry (letter). p279 16 Apr 1993.

Kalkut, Gary. See Jacobs, William R., Jr.

Kalman, Yoram M. See Benhorin, Jessa.

Kammen, Daniel M. and Wilson, Richard: The science and policy of risk (letter). p1863 25 June 1993.

Kanamori, Hiroo. See Sieh, Kerry.

Kandel, Eric R. See Bacsaki, Brian J. See also Frey, U. See also Zhuo, Min.

Kania, D. R. See Piano, M. A.

Karato, Shun-ichi and Wu, Patrick: Rheology of the upper mantle: a synthesis. p771 7 May 1993.

Karr, Timothy L. See Boyle, Lee.

Katzav, Shulamit. See Gulbins, Erich.

Keating, Mark: Evidence of genetic heterogeneity in the long QT syndrome (technical comment). p1961 25 June 1993.

Keen, Noel T. See Yoder, Marilyn D.

Keller, Laurent and Ross, Kenneth G.: Phenotypic basis of reproductive success in a social insect: genetic and social determinants. p1107 21 May 1992.

Keller, R. See Hill, D. P.

Keller, Rebecca W. See Rees, William A.

Kelley, Shari A.: review of *Fission-Track Dating*, by Günther Wagner and Peter Van Den Haute. p1357 28 May 1993.

Kelner, Katrina. See Norman, Colin.

Kelvin, David J. See Taub, Dennis D.

Kemper, Paul R. See Bowers, Michael T.

Kennedy, Kenneth A. R.: review of *Bones*, by Douglas Ubelaker and Henry Scammell, and *What the Bones Tell Us*, by Jeffrey H. Schwartz. p1178 21 May 1992.

Kennel, Charles F.: The LIGO controversy (letter). p1862 25 June 1993.

Kenyon, Scott J.: review of *Structure and Evolution of Single and Binary Stars*, by C. W. H. de Loore and C. Doom. p569 23 Apr 1993.

Kerem, Bat sheva. See Benhorin, Jessa.

Kerr, Richard A. (news): A clue to small but lethal eruptions? p289 16 Apr 1993. Getting in touch with the edge of the solar system. p1591 11 June 1993. Getting to the heart of the seismic gap debate. p1724 18 June 1993. How ice age climate got the shake. p890 14 May 1993. Magnetism triggers a brain response. p1590 11 June 1993. NCAR: doing quality science in a 'garage for planes'. p1236 28 May 1993. Ocean-in-a-machine starts looking like the real thing. p32 2 Apr 1993. Out of fire, ice! p1725 18 June 1993. Ozone takes a nose dive after the eruption of Mt. Pinatubo. p490 23 Apr 1993. The parallel route to an ocean model. p32 2 Apr 1993. A screwy idea may solve an early-Earth enigma. p1724 18 June 1993. Volcanoes may warm locally while cooling globally. p1232 28 May 1993. Volcanologists ponder a spate of deaths in the line of duty. p289 16 Apr 1993.

Kessin, Richard H. and Van Lookeren Campagne, Michael M.: Database contamination (letter). p605 30 Apr 1993.

Kevles, Daniel J.: review of *The Cold War and American Science*, by Stuart W. Leslie. p1161 21 May 1992.

Kidd, Jessica. See Block, Barbara A.

Kiehl, J. T. and Briegleb, B. P.: The relative roles of sulfate aerosols and greenhouse gases in climate forcing. p311 16 Apr 1993.

Kieser, Tobias. See Jacobs, William R., Jr.

Kim, Hak Yong; Cote, Gary G.; Crain, Richard C.: Potassium channels in *Samanea saman* protoplasts controlled by phytochrome and the biological clock. p960 14 May 1993.

Kim, In Ho; Jeanloz, Raymond; Jhung, Kyu Soo: Condensed-matter energetics from diatomic molecular spectra. p649 30 Apr 1993.

Kim, Jongun. See Chan, Michael K.

Kim, Peter S. See Lockhart, David J.

Kim, Suck Won: Japan's SAT? (letter). p278 16 Apr 1993.

Kingmill, Suzanne (news): Ear stones speak volumes to fish researchers. p1233 28 May 1993.

Kinney, J. H.; Breunig, T. M.; Starr, T. L.; Haupt, D.; Nichols, M. C.; Stock, S. R.; Butts, M. D.; Saroyan, R. A.: X-ray tomographic study of chemical vapor infiltration processing of ceramic composites. p789 7 May 1993.

Kinzler, Kenneth W. See Aaltonen, Lauri A.

Kirkwood, Alfredo; Dudek, Serena M.; Gold, Joel T.; Aizenman, Carlos D.; Bear, Mark F.: Common forms of synaptic plasticity in the hippocampus and neocortex in vitro. p1518 4 June 1993.

Kirkwood, Thomas B. L. See Kowald, Axel.

Kinschenlohr, Heide L. See Grainger, David J.

Kishihara, Kenji. See Penninger, Josef.

Kishimoto Tadamis. See Davis, Samuel. See also Mura-kami, Masaki.

Kitopoulos, Theofanis N.; Buntine, Mark A.; Baldwin, David P.; Zare, Richard N.; Chandler, David W.: Reaction product imaging: the H + D₂ reaction. p1605 11 June 1993.

Klar, Kathryn A.: Tyrolean paraphernalia (letter). p147 9 Apr 1993.

Klarlund, Jes K. See Baltensperger, Kurt.

Klein, Melvin P. See Yachandata, Vittal K.

Kliwer, Steven A. See Lee, Min S.

Knauf, Bruce M.: review of *War in the Tribal Zone*, edited by R. Brian Ferguson and Neil L. Whitehead. p1184 21 May 1992.

Knowlton, Nancy; Weigt, Lee A.; Solórzano, Luis Antibal; Mills, DeEtta K.; Bermingham, Eldredge: Divergence in proteins, mitochondrial DNA, and reproductive compatibility across the Isthmus of Panama. p1629 11 June 1993.

Kobayashi, Satoru; Amikura, Reiko; Okada, Masukichi: Presence of mitochondrial large ribosomal RNA outside mitochondria in germ plasma of *Drosophila melanogaster*. p1521 4 June 1993.

Kochersperger, Lynn. See Hsieh, Linda C.

Kocs, Darren: Interdisciplinary communication (letter). p1060 21 May 1992.

Koff, Andrew; Ohtsuki, Masahiko; Polyak, Kornelia; Roberts, James M.; Massagué, Joan: Negative regulation of G1 in mammalian cells: inhibition of cyclin E-dependent kinase by TGF- β . p536 23 Apr 1993.

Kohl, Nancy E.; Mosser, Scott D.; deSolms, S. Jane; Giuliani, Elizabeth A.; Pompiano, David L.; Graham, Samuel L.; Smith, Robert L.; Scolnick, Edward M.; Oliff, Allen; Gibbs, Jackson B.: Selective inhibition of ras-dependent transformation by a farnesyltransferase

inhibitor. p1934 25 June 1993.

Koi, Minoru; Johnson, Laura A.; Kalikin, Linda M.; Little, Peter F. R.; Nakamura, Yusuke; Feinberg, Andrew P.: Tumor cell growth arrest caused by subchromosomal transferable DNA fragments from Chromosome 11. p361 16 Apr 1993.

Kolaczowski, Stephen V. See Raja, N.

Komhyr, W. D. See Gleason, J. F.

Komuro, Hitoshi and Rakic, Pasko: Modulation of neuronal migration by NMDA receptors. p95 2 Apr 1993.

Koob, George F. See Caine, S. Barak.

Koop, B. See Drmanac, R.

Koot, Maarten. See Groenink, Martijn.

Koppel, Toomas (news): Computer firms look to the brain. p1075 21 May 1992. (women in science '93): No girls need apply. p422 16 Apr 1993. Our thinking is difficult to change. p402 16 Apr 1993. Writing a new script for science. p391 16 Apr 1993.

Koretzky, Gary A. See Hovis, Robin R.

Kornhauser, Jon M. See Ginty, David D.

Koshland, Daniel E., Jr. (editorial): Moderation in science budgeting. p603 30 Apr 1993. The reader response: Oyvey. p1055 21 May 1992. Science and society. p143 9 Apr 1993. Women in science. p275 16 Apr 1993. (letter): Speaking out. p1861 25 June 1993.

Kowald, Axel and Kirkwood, Thomas B. L.: Explaining fruit fly longevity (technical comment). p1664 11 June 1993.

Kozma, Lynn M. See Baltensperger, Kurt.

Krumenaker, Larry (news): Virtual libraries, complete with journals, get real. p1066 21 May 1992.

Krupa, David J.; Thompson, Judith K.; Thompson, Richard F.: Localization of a memory trace in the mammalian brain. p989 14 May 1993.

Kuo, Scot C. and Sheetz, Michael P.: Force of single kinesin molecules measured with optical tweezers. p232 9 Apr 1993.

Kürschner, Wolfram M. See Van Der Bergh, Johan.

Kuzmin, Igor. See Latif, Farida.

L

Labat, I. See Drmanac, R.

Labov, G. See Gleason, J. F.

Lallement, Rosine; Bertaux, Jean-Loup; Clarke, John T.: Deceleration of interstellar hydrogen at the heliospheric interface. p1095 21 May 1992.

Laman, Jon D.: HIV and AIDS (letter). p1707 18 June 1993.

Lamb, Lowell D. See McElvany, Stephen W.

Lambert, Joseph B.; Zhang, Shizhong; Stern, Charlotte L.; Huffman, John C.: Crystal structure of a silyl cation with no coordination to anion and distant coordination to solvent. p1917 25 June 1993.

Lander, Eric S.: DNA fingerprinting: the NRC report (letter). p1221 28 May 1993.

Landman, Uri. See Cheng, Hai-Ping.

Landry, Christopher C. and Barron, Andrew R.: Synthesis of polycrystalline chalcogenide semiconductors by microwave irradiation. p1653 11 June 1993.

Landstram, M. I. See Piano, M. A.

Lane, William S. See Zahler, Alan M.

Landman, Scott A. See Broussard, Melanie E.

Lange, G. See Brady, R. L.

Lange-Carter, Carol A.; Pleiman, Chris M.; Gardner, Anne M.; Blumer, Kendall J.; Johnson, Gary L.: A divergence in the MAP kinase regulatory network defined by MEK kinase and Raf. p315 16 Apr 1993.

Langer, Robert and Vacanti, Joseph P.: Tissue engineering. p920 14 May 1993.

Langley, Charles H. See Long, Manyuan.

Lanzavecchia, Antonio: Identifying strategies for immune intervention. p937 14 May 1993.

Laporte, Léo F.: review of *William Diller Matthaei, Paleontologist*, by Edwin H. Colbert. p109 2 Apr 1993.

Laques, P. See Sanchez-Lavega, A.

Lara, Antonio and Villalba, Ricardo: A 3620-year temperature record from *Fitzroya cupressoides* tree rings in southern South America. p1104 21 May 1992.

Larko, D. See Gleason, J. F.

Lasker, Jill S. See Wallace, Brigid M.

Latif, Farida; Tory, Kalman; Gnarna, James; Yao, Masahiro; Duh, Fuh-Mei; Orcutt, Mary Lou; Stackhouse, Thomas; Kuzmin, Igor; Modi, William; Geil, Laura; Schmidt, Laura; Zhou, Fangwei; Li, Hua; Wei, Ming Hui; Chen, Fan; Glenn, Gladys; Choyke, Peter; Walther, McClellan M.; Weng, Youngkai; Duan, Dah-Shuhn R.; Dean, Michael; Glavatz, Damjan; Richards, Frances M.; Crosey, Paul A.; Ferguson-Smith, Malcolm A.; Le Paslier, Denis; Chumakov, Ilya; Cohen, Daniel; Chinnault, A. Craig; Maher, Eamonn R.; Linehan, W. Marston; Zbar, Berton; Lerman, Michael I.: Identification of the von Hippel-Lindau disease tumor

- suppressor gene. p1317 28 May 1993.
- Latimer, Matthew J. See Yachandra, Vittal K.
- Lawler, Sean. See Ebner, Reinhard.
- Lawn, Richard M. See Grainger, David J.
- Lawrence, Jeanne B.: Nuclear structure research (letter). p278 16 Apr 1993.
- Lazcano, Antonio: review of *Marine Hydrothermal Systems and the Origin of Life*, edited by N. G. Holm. p1154 21 May 1992.
- Lazor, P. See Saxena, S. K.
- Leach, Fredrick S. See Aaltonen, Lauri A. See also Peltomäki, Päivi.
- Lecacheux, J. See Sanchez-Lavega, A.
- Lechleiter, James D. See Camacho, Patricia.
- Lee, Angela. See Ebner, Reinhard.
- Lee, C.-H. See Skolnick, E. Y.
- Lee, Min S.; Kliever, Steven A.; Provencal, Joan; Wright, Peter E.; Evans, Ronald M.: Structure of the retinoid X receptor α DNA binding domain: a helix required for homodimeric DNA binding. p1117 21 May 1992.
- Lee, T. D.: DOE, Taiwan, and SSC support (letter). p738 7 May 1993.
- Lefebvre, Philippe; Malgrange, Brigitte; Staeker, Hinrich; Moonen, Gustave; Van De Water, Thomas R.: Retinoic acid stimulates regeneration of mammalian auditory hair cells. p692 30 Apr 1993.
- Le Gros, Graham. See Erard, François.
- Leguire, L. E.: Sorry, doctor (letter). p1708 18 June 1993.
- Lehn, Jean-Marie: Supramolecular chemistry (perspective). p1762 18 June 1993.
- Leiden, Jeffrey M. See Wang, Chung-Yih.
- Leichow, D. H. See Dabberdt, W. F.
- Lenski, Richard E. and Mittler, John E.: Directed mutation (letter). p1222 28 May 1993. Unusual mutational mechanisms and evolution (technical comment). p1959 25 June 1993.
- Le Paslier, Denis. See Latif, Farida.
- Lerman, Michael I. See Latif, Farida.
- Lev, Elaine Rappaport. See Gold, Jay A.
- Levinson, Arthur D. See James, Guy L.
- Levy, Jay A. See Mosier, Donald E.
- Levy, Ronald. See Chabner, Bruce A.
- Lewis, Jason G. See Wagner, Richard W.
- Lewontin, Richard C. See Hartl, Daniel L.
- Li, Hua. See Latif, Farida.
- Li, Mengyang. See Flom, Erik B.
- Li, N. See Skolnick, E. Y.
- Liao, Jun and Martin, David C.: Direct imaging of the diacetylene solid-state monomer-polymer phase transformation. p1489 4 June 1993.
- Liao, Xiubei. See Clemens, Karen R.
- Libbrecht, K. G. See Woodard, M. F.
- Licht, Paul. See Yalcinkaya, Tamer M.
- Liew, Foo Y. See Taylor-Robinson, Andrew W.
- Lifton, Jeffrey D.; Piatlak, Michael, Jr.; Saag, Michael S.; Shaw, George M.: HIV and AIDS (letter). p1705 18 June 1993.
- Lile, Jack D. See Lin, Leu-Fen H.
- Lilje, Anne. See Sieh, Kerry.
- Lin, Leu-Fen H.; Doherty, Daniel H.; Lile, Jack D.; Bektesh, Susan; Collins, Frank: GDNF: a glial cell line-derived neurotrophic factor for midbrain dopaminergic neurons. p1130 21 May 1992.
- Lin, Wei-Chin and Desiderio, Stephen: Regulation of V(D)J recombination activator protein RAG-2 by phosphorylation. p953 14 May 1993.
- Lindvall, Scott. See Sieh, Kerry.
- Linehan, W. Marston. See Latif, Farida.
- Little, Peter F. R. See Koi, Minoru.
- Livi, Kenneth J. T. See Veblen, David R.
- Lloyd, Andrew R. See Taub, Dennis D.
- Lockhart, David J. and Kim, Peter S.: Electrostatic screening of charge and dipole interactions with the helix backbone. p198 9 Apr 1993.
- Lockhart, James C. See Reganold, John P.
- Long, Manyuan and Langley, Charles H.: Natural selection and the origin of *jingwei*, a chimeric processed functional gene in *Drosophila*. p91 2 Apr 1993.
- Lopez, Alfredo R. See Ebner, Reinhard.
- López, Dina L. and Williams, Stanley N.: Catastrophic volcanic collapse: relation to hydrothermal processes. p1794 18 June 1993.
- López, Gabriel P.; Biebuyck, Hans A.; Frisbie, C. Daniel; Whitesides, George M.: Imaging of features on surfaces by condensation figures. p647 30 Apr 1993.
- Lorius, C. See Raynaud, D.
- Lowell, Robert P.; Van Cappellen, Philippe; Germanovich, Leonid N.: Silica precipitation in fractures and the evolution of permeability in hydrothermal upflow zones. p192 9 Apr 1993.
- Lowenstein, E. See Skolnick, E. Y.
- Luban, Steven: review of *The Evolution of Useful Things*, by Henry Petroski. p1166 21 May 1992.
- Lucas, Brian K. See James, Guy L.
- Lucas, Y.; Luizaño, F. J.; Chauvel, A.; Rouiller, J.; Nahon, D.: The relation between biological activity of the rain forest and mineral composition of soils. p521 23 Apr 1993.
- Ludwig, Donald; Hilborn, Ray; Walters, Carl: Uncertainty, resource exploitation, and conservation: lessons from history (policy forum). p17 2 Apr 1993.
- Luizaño, F. J. See Lucas, Y.
- Lushkin, Alexander. See Georgopoulos, Apostolos P.
- Lux, Daniel R. See Marchant, David R.
- Lyamichev, Victor; Brown, Mary Ann D.; Dahlberg, James E.: Structure-specific endonucleolytic cleavage of nucleic acids by bacterial DNA polymerases. p778 7 May 1993.

M

- Macatonia, Steven E. See Hsieh, Chi-Song.
- MacCluer, Jean W. See Benhorin, Jasia.
- Macgregor, A. Neil. See Reganold, John P.
- MacLachlan, N. J. See Stewart, T. A.
- MacIsaac, Paul D. See Mosier, Donald E.
- Maduke, Merritt and Roise, David: Import of a mitochondrial presequence into protein-free phospholipid vesicles. p364 16 Apr 1993.
- Mahaut-Smith, Martyn. See Bacskai, Brian J.
- Maher, Eamonn R. See Latif, Farida.
- Maienschein, Jane: review of *Spencer Baird of the Smithsonian*, by E. F. Rivinius and E. M. Yousef. p1163 21 May 1992.
- Mak, Tak W. See Penninger, Josef.
- Malbon, Craig C. See Moxham, Christopher M.
- Malgrange, Brigitte. See Lefebvre, Philippe.
- Malina, Robert M.: review of *Growth, Maturation, and Body Composition*, by Alex F. Roche. p1009 14 May 1993.
- Maliszewski, Nicholas C. See Josefowicz, Jack Y.
- Malone, S. See Hill, D. P.
- Malpass, Michael: review of *Provincial Power in the Inka Empire*, by Terrence N. D'Altroy. p832 7 May 1993.
- Mann, Charles C. and Mark L. Plummer (news): The high cost of biodiversity. p1868 25 June 1993.
- Mann, Charles M. See Hamilton, Ewan J. M.
- Marchant, David R.; Swisher, Carl C., III; Lux, Daniel R.; West, David P., Jr.; Denton, George H.: Pliocene paleoclimate and East Antarctic Ice-Sheet history from surficial ash deposits. p667 30 Apr 1993.
- Margolis, B. See Skolnick, E. Y.
- Marron, Donald B. See Joskow, Paul L.
- Marshall, Eliot (news): Big science enters the clinic. p744 7 May 1993. Clinton backs SSC, space station. p1873 25 June 1993. The cost of scientific pork keeps going up. p156 9 Apr 1993. Could these cut-rate stations be contenders? p1228 28 May 1993. An expert panel advises, and the Army consents. p1068 21 May 1992. Fraudbuster ends hunger strike (news). p1715 18 June 1993. The greening of the national labs. p25 2 Apr 1993. NASA rethinks the space station. p1228 28 May 1993. NSF's hopes filibustered. p615 30 Apr 1993. A series of overlapping studies. p745 7 May 1993. (environment & the economy): A fair wind blows for one green technology. p1887 25 June 1993. Green profits: believers and doubters. p1888 25 June 1993. Is environmental technology a key to a healthy economy. p1886 25 June 1993.
- _____ and Anderson, Christopher (news): Clinton's mixed broth for R&D. p284 16 Apr 1993.
- Marsters, James C., Jr. See James, Guy L.
- Martenssen, Robert A. See Vongs, Aurawan.
- Martin, David C. See Liao, Jun.
- Martin, Malcolm A. See Howcroft, T. Kevin.
- Martin, Patrick. See Pinet, Patrick C.
- Martinez, Neo D.: Effect of scale on food web structure (technical comment). p242 9 Apr 1993.
- Martinez, Ricardo N. See Rogers, Raymond R.
- Marx, Jean (news): Forging a path to the nucleus. p1588 11 June 1993. Genome project plans described. p152 9 Apr 1993. New colon cancer gene discovered. p751 7 May 1993.
- Marx, Preston A.; Compans, Richard W.; Gettie, Aegenehu; Staas, Jay K.; Gilley, Richard M.; Mulligan, Mark J.; Yamashchikov, Galina V.; Chen, Dexiang; Eldridge, John H.: Protection against vaginal SIV transmission with microencapsulated vaccine. p1323 28 May 1993.
- März, Winfried. See Ruzicka, Viktor.
- Maskil, Nissan. See Flom, Erik B.
- Massagué, Joan. See Koff, Andrew.
- Masucci, Maria G. See de Campos-Lima, Pedro-Otavio.
- Mathisen, Glenn E. See Allen, Allen D.
- Matteucci, Mark D. See Wagner, Richard W.
- Matthews, Brian W. See Blaber, Michael.
- Matthews, David J. and Wells, James A.: Substrate phase: selection of protease substrates by monovalent phase display. p1113 21 May 1992.
- Maurice, John (science in Europe): Immunology powerhouse in the Marseilles hills. p1750 18 June 1993.
- May, Mike (news): Battles over body fat. p1592 11 June 1993. Swinging sperm counts. p1592 11 June 1993. A time to be born. p1592 11 June 1993.
- Mayo, Kelly E. See Ginty, David D.
- Mays, Robert W. See Siemers, Kathleen A. (Krezeminski).
- McBride, Lincoln J. See Patterson, Bruce K.
- McBryant, Steven J. See Clemens, Karen R.
- McCauley, John P., Jr. See Josefowicz, Jack Y.
- McClure, Kim F. See Danishefsky, Samuel J.
- McConnell, Stephen J. and Yaffe, Michael P.: Intermediate filament formation by a yeast protein essential for organelle inheritance. p687 30 Apr 1993.
- McCurdy, L. See Shen, Y. F.
- McDonald, Clare A. See Hamilton, Ewan J. M.
- McDowell, Robert S. See James, Guy L.
- McElvany, Stephen W.; Callahan, John H.; Ross, Mark M.; Lamb, Lowell D.; Huffman, Donald R.: Large odd-numbered carbon clusters from fullerene-ozone reactions. p1632 11 June 1993.
- McGill, Sally F. See Sieh, Kerry.
- McKenna, Malcolm C.: review of *Fossil Horses*, by Bruce J. MacFadden. p1156 21 May 1992.
- McLeod, Norman: Japan's SAT? (letter). p277 16 Apr 1993.
- McMichael, Andrew: Natural selection at work on the surface of virus-infected cells (perspective). p1771 18 June 1993.
- McPeters, R. See Gleason, J. F.
- McWilliams, S. See Piano, M. A.
- Mecklin, Jukka-Pekka. See Peltomäki, Päivi.
- Meckon, Jukka-Pekka. See Aaltonen, Lauri A.
- Medina, Aharon. See Benhorin, Jasia.
- Meehl, Gerald A. and Washington, Warren M.: South Asian summer monsoon variability in a model with doubled atmospheric carbon dioxide concentration. p1101 21 May 1992.
- Melese, G. See Pruslin, Stanley G.
- Merson, Michael H.: Slowing the spread of HIV: agenda for the 1990s (policy forum). p1266 28 May 1993.
- Mervis, Jeffrey (news): Academy recommends globe yardstick. p1871 25 June 1993.
- Metcalfe, James C. See Grainger, David J.
- Meyer, Axel. See Hawkins, Joel M.
- Meyer, James H.: The stalemate in food and agricultural research, teaching, and extension (policy forum). p881 14 May 1993.
- Meyn, M. Stephen: High spontaneous intrachromosomal recombination rates in ataxia-telangiectasia. p1327 28 May 1993.
- Michael, A. See Hill, D. P.
- Michel, Thomas: No lack of NO activity (letter). p146 9 Apr 1993.
- Miedema, Frank. See Groenink, Martijn.
- Miller, A. J. See Gleason, J. F.
- Miller, Linda J. See Jansy, Barbara R.
- Mills, DeEttra K. See Knowlton, Nancy.
- Mills, Eric L.: review of *A History of Antarctic Science*, by G. E. Fogg. p1175 21 May 1992.
- Millstein, Richard A.: Drug abuse research (letter). p16 2 Apr 1993.
- Minshull, Timothy A. See Singh, Satish C.
- Mirza, Azra. See Pancholi, Preeti.
- Mistry, Anita; Greenlee, Robert; Fong, Kenneth: Database contamination (letter). p605 30 Apr 1993.
- Mittler, John E. See Lenski, Richard E.
- Modi, William. See Latif, Farida.
- Moffat, Anne Simon (news): Going back to the future with small synthetic compounds. p910 14 May 1993.
- Mohammadi, M. See Skolnick, E. Y.
- Molina, Thierry. See Penninger, Josef.
- Moncada, Salvador. See Taylor-Robinson, Andrew W.
- Moncollin, Vincent. See Schaeffer, Laurent.
- Monetta, Alfredo M. See Rogers, Raymond R.
- Monroy, Gladys H. See Burk, Dan L.
- Montagnier, Luc. See Gougeon, Marie-Lise.
- Montgomery, Charles A. See Yokoyama, Takahiko.
- Moodie, Shonna A.; Willumsen, Berthe M.; Weber, Michael J.; Wolfman, Alan: Complexes of Ras-GTP with Raf-1 and mitogen-activated protein kinase kinase. p1658 11 June 1993.
- Moonen, Gustave. See Lefebvre, Philippe.
- Morell, Virginia (news): Evidence found for a possible "aggression gene." p1722 18 June 1993. Gene discovery points to better HD test. p29 2 Apr 1993. Huntington's gene finally found. p28 2 Apr 1993. The puzzle of the triple repeats. p1422 4 June 1993. (women in science '93): Called "trimates," three bold women shaped their field. p420 16 Apr 1993. Seeing nature through the lens of gender. p428 16 Apr 1993.
- Mori, James. See Sieh, Kerry.
- Mosier, Donald E.; Gulizia, Richard J.; MacIsaac, Paul D.; Torbett, Bruce E.; Levy, Jay A.: Rapid loss of CD4⁺ T cells in human-PBL-SCID mice by noncytopathic HIV isolates. p689 30 Apr 1993.

Mosser, Scott D. See Kohl, Nancy E.
 Motto, David G. See Hovis, Robin R.
 Moulds, Courtney. See Wagner, Richard W.
 Moxham, Christopher M.; Hod, Yaacov; Mailbon, Craig C.: Induction of α_1 -specific antisense RNA in vivo inhibits neonatal growth. p991 14 May 1993.
 Moxon, Richard. See Rainey, Paul.
 Muehlenbachs, Karlis. See Gautsion, Björn.
 Mueller, Lawrence D. See Nusbach, Theodore J.
 Mukerji, Ishita. See Yachandra, Vittal K.
 Mulligan, Mark J. See Marx, Preston A.
 Mulligan, Richard C.: The basic science of gene therapy. p926 14 May 1993.
 Munger, J. W. See Wofsy, S. C.
 Munguia, L. See Hill, D. P.
 Murakami, Masaaki; Hibi, Masahiko; Nakagawa, Naoko; Nakagawa, Toshimasa; Yasukawa, Kiyoshi; Yamanishi, Koichi; Taga, Tetsuya; Kishimoto, Tadatoshi: IL-6-induced homodimerization of gp130 and associated activation of a tyrosine kinase. p1808 18 June 1993.
 Murphy, Kenneth M. See Hsieh, Chyi-Song.
 Mucci, Michael A. See Hovis, Robin R.
 Mustard, John F.: review of *Mars*, edited by Hugh H. Kieffer, Bruce M. Jakosky, Conway W. Snyder, and Mildred S. Matthews. p1174 21 May 1993.
 Myers, Fred (news): At Tokyo University, a parting shot. p159 9 Apr 1993.

N and O

Nahon, D. See Lucas, Y.
 Nakagawa, Naoko. See Murakami, Masaaki.
 Nakagawa, Toshimasa. See Murakami, Masaaki.
 Nakamura, Yuzuke. See Koi, Minoru.
 Naranjo, David and Brehm, Paul: Modal shifts in acetylcholine receptor channel gating confer subunit-dependent desensitization. p1811 18 June 1993.
 Nava, S. See Hill, D. P.
 Nealson, Kenneth H.: review of *Fossil Prokaryotes and Protists*, by Jere H. Lipps. p565 23 Apr 1993.
 Nelson, Robert M. See Hapke, Bruce W.
 Nelson, W. James. See Siemens, Kathleen A. (Kreminski).
 Nesting, David C. See Vischer, Glenn T.
 Neugebauer, Karl M. See Zahler, Alan M.
 Newman, P. C. See Gleason, J. F.
 Nichols, M. C. See Kinney, J. H.
 Nicholson, Richard S. and Abelson, Philip H.: Science and technology in government (editorial). p471 23 Apr 1993.
 Niklinska, Barbara B. See Volarevic, Siniša.
 Noller, Harry F. See von Ahsen, Uwe.
 Nordine, Paul C. See Wallenberger, Frederick T.
 Norman, Colin; Kerner, Katrina; Voss, David: Science in Europe '93. p1733 18 June 1993.
 Normile, Dennis (news): Breaching industry-university barriers. p1585 11 June 1993. (women in science '93): A prize of one's own. p424 16 Apr 1993.
 Nurcombe, Victor; Ford, Miriam D.; Wildschut, Jason A.; Bartlett, Perry F.: Developmental regulation of neural response to FGF-1 and FGF-2 by heparan sulfate proteoglycan. p103 2 Apr 1993.
 Nusbach, Theodore J.; Graves, Joseph L.; Mueller, Lawrence D.; Rose, Michael R.: Fruit fly aging and mortality (letter). p1567 11 June 1993.
 Nusenzev, Roberto H. See Ribeiro, José M. C.
 Odum, Eugene P.: Biosphere 2: a new kind of science (letter). p878 14 May 1993.
 O'Garra, Anne. See Hsieh, Chyi-Song.
 Ohnengroff, F. and Binnig, G.: True atomic resolution by atomic force microscopy through repulsive and attractive forces. p1451 4 June 1993.
 Ohtsuki, Masahiko. See Koff, Andrew.
 Okada, Masukichi. See Kobayashi, Satoru.
 Olby, Robert: review of *The Molecular Vision of Life*, by Lily E. Kay. p1825 18 June 1993.
 Oldfield, Eric. See de Dios, Angel C.
 Oliff, Allen. See Kohl, Nancy E.
 Olshansky, S. Jay; Carnes, Bruce A.; Cassel, Christine K.: Fruit fly aging and mortality (letter). p1565 11 June 1993.
 Olson, Storrs L. See Parsons, Thomas J.
 Olz, Eugene. See Taccioli, Guillermo E.
 O'Malley, David M. See Bao, Wuli.
 Oncley, S. P. See Dabberdt, W. F.
 O'Neill, Scott L. See Boyle, Lee.
 Oppenheim, Joost J. See Taub, Dennis D.
 Orban, Guy A. See Sáry, Gyula.
 Orcutt, Mary Lou. See Latif, Farida.
 Osterbrock, Donald E.: review of *Astronomy at Yale 1701-1966*, by Dorre Hoffleit. p568 23 Apr 1993.
 Otto, Patricia. See Patterson, Bruce K.
 Overbeck, Paul A. See Yokoyama, Takahiko.

Ovshinsky, S. R.; Fetchenko, M. A.; Ross, J.: A nickel metal hydride battery for electric vehicles. p176 9 Apr 1993.
 O'Young, C. L. See Shen, Y. F.

P

Pace, Norman R.: Evolutionary relationships (letter). p1060 21 May 1992.
 Page, Tania. See Tsay, Yi-Fang.
 Pain, Roger H. See Varley, Paul.
 Palmer, Alan S. See Reganold, John P.
 Pan, L. S. See Piano, M. A.
 Pan, Li. See Davis, Samuel.
 Pancholi, Preeti; Mirza, Asra; Bhardwaj, Nina; Steinman, Ralph M.: Sequestration from immune CD4⁺ T cells of mycobacteria growing in human macrophages. p984 14 May 1993.
 Parsons, Thomas J.; Olson, Storrs L.; Braun, Michael J.: Unidirectional spread of secondary sexual plumage traits across an avian hybrid zone. p1643 11 June 1993.
 Passador, Luciano; Cook, James M.; Gambello, Michael J.; Rust, Lynn; Igleski, Barbara H.: Expression of *Pseudomonas aeruginosa* virulence genes requires cell-to-cell communication. p1127 21 May 1992.
 Patterson, Bruce K.; Till, Michele; Otto, Patricia; Goolsby, Charles; Furtado, Manohar R.; McBride, Lincoln J.; Wolinsky, Steven M.: Detection of HIV-1 DNA and messenger RNA in individual cells by PC-driven in situ hybridization and flow cytometry. p976 14 May 1993.
 Paul, Anne: review of *Chavin and the Origins of Andean Civilization*, by Richard L. Burger. p1183 21 May 1992.
 Paul, S. M.: Drug development: serious questions (letter). p1709 18 June 1993.
 Paunesku, T. See Drmanac, R.
 Pavgi, Sushama. See Yalcinkaya, Tamer M.
 Pawley, Alison R. and Holloway, John R.: Water sources for subduction zone volcanism: new experimental constraints. p664 30 Apr 1993.
 Pearlman, Joel A. See Fu, Ying-Hui.
 Pearce, Richard V., II. See Andersen, Bogi.
 Pearson, John G. See de Dios, Angel C.
 Peckmann, J. C. See Hill, D. P.
 Peltomäki, Päivi. See Aaltonen, Lauri A.
 ———; Aaltonen, Lauri A.; Siitonen, Pertti; Pylkkänen, Lea; Mecklin, Jukka-Pekka; Järvinen, Heikki; Green, Jane S.; Jaas, Jeremy R.; Weber, James L.; Leach, Frederick S.; Petersen, Gloria M.; Hamilton, Stanley R.; de la Chapelle, Albert; Vogelstein, Bert: Genetic mapping of a locus predisposing to human colorectal cancer. p810 7 May 1993.
 Peng, Wei-Jun. See Broussard, Melanie E.
 Penninger, Josef; Kishihara, Kenji; Molina, Thierry; Wallace, Valerie A.; Timms, Emma; Hedrick, Stephen M.; Mak, Tak W.: Requirement for tyrosine kinase p56^{lck} for thymic development of transgenic $\gamma\delta$ T cells. p358 16 Apr 1993.
 Pérez-Martín, José and Espinosa, Manuel: Protein-induced bending as a transcriptional switch. p805 7 May 1993.
 Perryman, M. Benjamin. See Fu, Ying-Hui.
 Petersen, Gloria M. See Aaltonen, Lauri A. See also Peltomäki, Päivi.
 Peterson, Laurence B. See Prins, Jan-Bas.
 Petryniak, Bronislaw. See Wang, Chung-Yih.
 Peyrat, Marie-Alex. See Davodeau, François.
 Phillips, R. Stephen. See Taylor-Robinson, Andrew W.
 Phillips, Roger J. See Hansen, Vicki L.
 Piano, M. A.; Landstrass, M. L.; Pan, L. S.; Han, S.; Kania, D. R.; McWilliams, S.; Ager, J. W., III: Polycrystalline CVD diamond films with high electrical mobility. p1310 28 May 1993.
 Piatk, Michael, Jr. See Lifson, Jeffrey D.
 Piazza, Alberto: Who are the Europeans? (perspective). p1767 18 June 1993.
 Pimentel, David and Pimentel, Marcia: Pesticides and the Delaney amendment (letter). p1409 4 June 1993.
 Pimentel, Marcia. See Pimentel, David.
 Pinet, Patrick C.; Chevel, Serge D.; Martin, Patrick: Copernicus: a regional probe of the lunar interior. p797 7 May 1993.
 Pitts-Meek, S. See Stewart, T. A.
 Pizzuti, Antonio. See Fu, Ying-Hui.
 Planet, W. See Gleason, J. F.
 Pleiman, Chris M. See Lange-Carter, Carol A.
 Plummer, Mark L. See Mann, Charles C.
 Podolín, Patricia L. See Prins, Jan-Bas.
 Polyak, Kornelia. See Koff, Andrew.
 Pompliano, David L. See Kohl, Nancy E.
 Pong, Sheng-Shung. See Smith, Roy G.
 Pool, Robert (news): Mass calculations add weight to QCD. p1077 21 May 1992.
 Portell, Roger W. See Allmon, Warren D.

Potter, D. I. See Shen, Y. F.
 Powell, Steven M. See Aaltonen, Lauri A.
 Prentiss, Mara G.: Bound by light (perspectives). p1078 21 May 1992.
 Prins, Jan-Bas; Todd, John A.; Rodrigues, Nanda R.; Ghosh, Soumitra; Hogarth, P. Mark; Wicker, Linda S.; Gaffney, Erin; Podolín, Patricia L.; Fischer, Paul A.; Sirotina, Anna; Peterson, Laurence B.: Linkage on chromosome 3 of autoimmune diabetes and defective Fc receptor for IgG in NOD mice. p695 30 Apr 1993.
 Probst, Ronald F. and Hicks, R. Edwin: Removal of contaminants from soils by electric fields. p498 23 Apr 1993.
 Provencal, Joan. See Lee, Min S.
 Prussin, Stanley G.; Glaeser, C. Roger; Melese, G.: Converting weapons to fuel (letter). p607 30 Apr 1993.
 Pylkkänen, Lea. See Aaltonen, Lauri A. See also Peltomäki, Päivi.

R

Rainey, Paul and Moxon, Richard: Unusual mutational mechanisms and evolution (technical comment). p1958 25 June 1993.
 Raistrick, Ian D. See Brosha, Eric L.
 Raja, N.; Reddy, S.; Kolaczowski, Stephen V.; Small, Gerald J.: A photoinduced persistent structural transformation of the special pair of a bacterial reaction center. p68 2 Apr 1993.
 Rakic, Pasko. See Komuro, Hitoshi.
 Rakowski, R. F. See Gadsby, David C.
 Ramond, Pierre: review of *Quantum Field Theory*, by Lowell S. Brown. p1986 25 June 1993.
 Randolph, John T. See Danishefsky, Samuel J.
 Random Samples: AAA pressures Hawaii on guide dogs. p618 30 Apr 1993. AAAS members have their say. p495 23 Apr 1993. Aid to Soviet mathematicians. p1880 25 June 1993. An architect's dream project. p897 14 May 1993. A bang by any other name. . . . p1881 25 June 1993. Bioengineered bubbly. p27 2 Apr 1993. Biologists press for environment agency. p158 9 Apr 1993. Biotech firm holes up at MBL. p1429 4 June 1993. Britannica out of the doghouse. p158 9 Apr 1993. Budget may sting insect unit. p1238 28 May 1993. Canadian blood inquiry. p1586 11 June 1993. Comeback for Karlöse. p1429 4 June 1993. Congress passes broad NIH bill. p1429 4 June 1993. Controversial head hangs on at WHO. p896 14 May 1993. Crawford Prize goes to two geneticists. p26 2 Apr 1993. A crane with a view. p619 30 Apr 1993. Debut into the big time. p618 30 Apr 1993. Delayed accolades for Alaskan scientists. p1070 21 May 1992. Did Jupiter make a comet go to pieces? p295 16 Apr 1993. Driven by the sun. p1071 21 May 1992. Dutch astronomers spy superhells. p897 14 May 1993. Dutch magnetic resonance. p1718 18 June 1993. Elderly twin registry in the works. p1239 28 May 1993. EMF not guilty in kidney tumor case. p897 14 May 1993. Euro women in science band together. p1070 21 May 1992. Explosive anatomy. p619 30 Apr 1993. Feds 'abdicate' fight over toxic compounds. p26 2 Apr 1993. Fighting smoking with child power. p1718 18 June 1993. Firing up the brain decade. p757 7 May 1993. Follow-the-leader math. p495 23 Apr 1993. A fungus on our family tree. p295 16 Apr 1993. Gamma-ray mission for ESA. p1586 11 June 1993. Good news on Arctic pollution. p1586 11 June 1993. Goodby, Columbus, hello LBT. p1070 21 May 1992. Haselton moves to biotech firm. p1238 28 May 1993. The hazards of estrogens. p1238 28 May 1993. How to catch a (gravity) wave. p26 2 Apr 1993. Hyperactivity tied to gene defect. p295 16 Apr 1993. Japan science city shapes up. p757 7 May 1993. Latin science: what to do? p1587 11 June 1993. Lawsuit over Revelle's greenhouse views. p618 30 Apr 1993. Leaving the scene after victory. p26 2 Apr 1993. More doubt cast on Peary's claim. p1587 11 June 1993. More numbers on Clinton R&D initiatives. p618 30 Apr 1993. More women among the tenured. p494 23 Apr 1993. MREs from heaven. p27 2 Apr 1993. NASA director to move to Carnegie. p158 9 Apr 1993. New AIDS research center to open. p158 9 Apr 1993. New look at drinking and the heart. p1239 28 May 1993. Newspapers abandon science readers. p1718 18 June 1993. NIH kills genes and crime grant. p619 30 Apr 1993. NIH to test AIDS drug nixed by WHO. p1880 25 June 1993. No big M in the sky (for now). p1718 18 June 1993. NRC on environmental research. p1071 21 May 1992. OTA finally gets new director. p896 14 May 1993. Predicting performance in graduate school. p494 23 Apr 1993. Profile of the aspiring physician. p1587 11 June 1993. Putting scientists into science fiction. p494 23 Apr 1993. Refining the tick-tocks of an atomic clock. p897 14 May 1993. Researcher donates patent rights to

- WHO. p1238 28 May 1993. Researchers' homes vandalized. p896 14 May 1993. Revising psychiatric diagnoses. p1586 11 June 1993. Russians, U.S. differ on Arctic sub threat. p1881 25 June 1993. Scarecrows go high tech. p1239 28 May 1993. Science on the move. p494 23 Apr 1993. Science proves Iraqi gas attack. p757 7 May 1993. Scientist running for German presidency. p1880 25 June 1993. Second find confirms Kuiper comets. p158 9 Apr 1993. Shake, rattle, and roll. p1881 25 June 1993. Sixth AIDS case traced to Florida dentist. p897 14 May 1993. Spotlight on behavioral research. p1070 21 May 1992. UK industrial R&D dragging. p1880 25 June 1993. Up-to-date evolution. p495 23 Apr 1993. Using plants as prospectors. p896 14 May 1993. Waterman Award winner. p618 30 Apr 1993. Whale alarm. p896 14 May 1993. Windfall for U.S. Wellcome researchers. p1071 21 May 1992. Wistar settles with Koprowski. p295 16 Apr 1993. Zagury probe concluded. p757 7 May 1993. Zoologist found guilty on smuggling count. p1429 4 June 1993.
- Ranganathan, Rama. See Dolph, Patrick J.
- Rathbun, Gary. See Taccioli, Guillermo E.
- Raup, David M.: Extraterrestrial intelligence (letter). p475 23 Apr 1993.
- and Jablonick, David: Geography of end-Cretaceous marine bivalve extinctions. p771 14 June 1993.
- Rave-Harel, Naama. See Benchorin, Jesaja.
- Rawson, Thomas E. See James, Guy L.
- Ray, Sanghanita. See Hurley, James B.
- Raynaud, D.; Jouzel, J.; Barnola, J. M.; Chappellaz, J.; Delmas, R. J.; Lorius, C.: Citation corrections (letter). p1411 4 June 1993.
- Read, Andrew F. and Harvey, Paul H.: Evolving in a dynamic world (perspective). p1760 18 June 1993.
- Reasenber, P. A. See Hill, D. P.
- Reddy, S. See Raja, N.
- Rees, D. C. See Chan, Michael K.
- Rees, William A.; Keller, Rebecca W.; Vesenka, James P.; Yang, Guoliang; Bustamante, Carlos: Evidence of DNA bending in transcription complexes imaged by scanning force microscopy. p1646 11 June 1993.
- Reganold, John P.; Palmer, Alan S.; Lockhart, James C.; Macgregor, A. Neil: Soil quality and financial performance of biodynamic and conventional farms in New Zealand. p344 16 Apr 1993.
- Reichardt, Peter: From RNA to DNA why so many ribonucleotide reductases? p1773 18 June 1993.
- Reiter, Russel J. See Davis, J. Glenn.
- Ribeiro, José M. C.; Hazard, Jo M. H.; Nussenzveig, Roberto H.; Champagne, Donald E.; Walker, F. Ann: Reversible binding of nitric oxide by a salivary heme protein from a bloodsucking insect. p339 23 Apr 1993.
- Rice, Stuart A. See Flom, Erik B.
- Richards, Eric J. See Vongs, Aurawan.
- Richards, Frances M. See Latif, Farida.
- Richards, Stephen. See Fu, Ying-Hui.
- Richardson, Stephen: review of *Cholera*, edited by Dhiman Barua and William B. Greenough III. p832 7 May 1993.
- Rickinson, Alan B. See de Campos-Lima, Pedro-Otávio.
- Risch, Neil. See Devlin, B.
- Ritchie, K. See Robine, J. M.
- Roberts, James M. See Koff, Andrew.
- Roberts, Leslie (environment and the economy): Bringing vanished ecosystems to life. p1890 25 June 1993. Wetlands trading is a losers' game, say ecologists. p1890 25 June 1993.
- Robertson, Hugh M. See Boyle, Lee.
- Robine, J. M. and Ritchie, K.: Explaining fruit fly longevity (technical comment). p1665 11 June 1993.
- Rodriguez, Nanda R. See Prins, Jan-Bas.
- Rodriguez, Rusty J. See Freeman, Stanley.
- Rodriguez-Boulán, Enrique. See Zurzolo, Chiara.
- Rodriguez, Jose A. and Goodman, D. Wayne: Metal-metal bonds in bimetallic surfaces (technical comments). p1527 4 June 1993.
- Roeder, Kathryn. See Devlin, B.
- Rogers, Raymond R.; Swisher, Carl C., III; Sereno, Paul C.; Monetta, Alfredo M.; Foster, Catherine A.; Martinez, Ricardo N.: The Ichigualasto tetrapod assemblage (Late Triassic, Argentina) and $^{40}\text{Ar}/^{39}\text{Ar}$ dating of dinosaur origins. p794 7 May 1993.
- Roine, David. See Maduke, Merritt.
- Roland, Alex: review of *Science with a Vengeance*, by David H. DeVorkin. p703 30 Apr 1993.
- Romanovsk, Barbara: Spatiotemporal patterns in the energy release of great earthquakes. p1923 25 June 1993.
- Rose, Michael R. See Nusbauer, Theodore J.
- Rose, Timothy M. See Gersuk, Vivian H.
- Rosenberg, Gary. See Allmon, Warren D.
- Rosenfeld, Michael G. See Andersen, Bogi.
- Ross, J. See Hjelmfelt, A. See also Ovshinsky, S. R.
- Ross, Kenneth G. See Keller, Laurent.
- Ross, M.: M. See McElvany, Stephen W.
- Ross, Susan E. See Hovis, Robin R.
- Roth, Mark B. See Zahler, Alan M.
- Rouiller, J. See Lucas, Y.
- Rowe, J. E. See Wertheim, G. K.
- Rowe, Martin. See de Campos-Lima, Pedro-Otávio.
- Rowland, F. Sherwood: President's lecture: the need for scientific communication with the public. p1571 11 June 1993.
- Roy, Richard. See Schaeffer, Laurent.
- Rubin, Charles. See Sieh, Kerry.
- Ruggeri, Roger B. See Danishefsky, Samuel J.
- Russ, Andreas. See Ruzicka, Viktor.
- Rust, Lynn. See Passador, Luciano.
- Ruzicka, Viktor; März, Winfried; Russ, Andreas; Gross, Werner: Immuno-PCR with a commercially available avidin system (technical comment). p698 30 Apr 1993.
- Ryan, Timothy A. See Siemers, Kathleen A. (Krezeminski).

S

- Saag, Michael S. See Lifson, Jeffrey D.
- Sabel, Bernhard A.: Science reunification in Germany: a crash program (policy forum). p1753 18 June 1993.
- Sagan, Carl: Speaking out (letter). p1861 25 June 1993.
- Sahley, Christine L.: review of *Dynamic Biological Networks*, edited by Ronald M. Harris-Warrick, Eve Marder, Allen I. Selverston, and Maurice Moulins. p244 9 Apr 1993.
- Salk, Jonas; Bretscher, Peter A.; Salk, Peter L.; Clerici, Mario; Shearer, Gene M.: A strategy for prophylactic vaccination against HIV (perspective). p1270 28 May 1993.
- Salk, Peter L. See Salk, Jonas.
- Sancar, Aziz. See Selby, Christopher P.
- Sanchez-Lavega, A.; Lecacheux, J.; Colas, F.; Laques, P.: Ground-based observations of Saturn's north polar spot and hexagon. p329 16 Apr 1993.
- Sanders, Christopher O.: Interaction of the San Jacinto and San Andreas fault zones, southern California: triggered earthquake migration and coupled recurrence intervals. p973 14 May 1993.
- Sandford, S. A. See Allamandola, L. J.
- Sanford, A. See Hill, D. P.
- Sano, Takeshi; Smith, Cassandra L.; Cantor, Charles R.: Immuno-PCR with a commercially available avidin system (technical comment). p699 30 Apr 1993.
- Sarkis, Gary J. See Jacobs, William R., Jr.
- Saroyan, R. A. See Kinney, J. H.
- Sáry, Gyula; Vogels, Rufin; Orban, Guy A.: Cue-invariant shape selectivity of macaque inferior temporal neurons. p995 14 May 1993.
- Sasazuki, Takenhiko. See Shirasawa, Senji.
- Sattler, Klaus. See Ge, Maohui.
- Sauer, Kenneth. See Yachandra, Vittal K.
- Saxena, S. K.; Shen, G.; Lazor, P.: Experimental evidence for a new iron phase and implications for Earth's core. p1312 28 May 1993.
- Scalaidhe, Séamas P. Ó. See Wilson, Fraser A. W.
- Scarlato, Guglielmo. See Fu, Ying-Hui.
- Schaeffer, Laurent; Roy, Richard; Humbert, Sandrine; Moncollin, Vincent; Vermeulen, Wim; Hoeijmakers, Jan H. J.; Chambon, Pierre; Egly, Jean-Marc: DNA repair helicase: a component of TFIIH (TFIIH) basic transcription factor. p58 2 Apr 1993.
- Schaid, D. See Thibodeau, S. N.
- Scheinfein, M. R. See Chamberlin, R. V.
- Schindler, Kevin S. See Allmon, Warren D.
- Schlessinger, Joseph. See Chardin, Pierre. See also Skolnick, E. Y.
- Schlötterer, Christian. See Amos, Bill.
- Schmidt, Laura. See Larif, Farida.
- Schnabel, Jim (news): New Alzheimer's therapy suggested. p1719 18 June 1993.
- Schneider, F. W. See Hjelmfelt, A.
- Schoen, William R. See Smith, Roy G.
- Schonemann, Marcus D. See Andersen, Bogi.
- Schopf, J. William: Microfossils of the Early Archean Apex chert: new evidence of the antiquity of life. p640 30 Apr 1993.
- Schroeder, Renée; Streicher, Barbara; Wank, Herbert: Splice-site selection and decoding: are they related? (perspective). p1443 4 June 1993.
- Schu, Peter V.; Takegawa, Kaoru; Fry, Michael J.; Stack, Jeffrey H.; Waterfield, Michael D.; Emr, Scott D.: Phosphatidylinositol 3-kinase encoded by yeast VPS34 gene essential for protein sorting. p88 2 Apr 1993.
- Schubert, Gerald. See Sun, Zi-Ping.
- Schuitmaker, Hanneke. See Groenink, Martijn.
- Schultz, Peter G. See Hsieh, Linda C.
- Schulz, S. and Toft, S.: Identification of a sex pheromone from a spider. p1635 11 June 1993.
- ScienceScope: Advice to a lover's super collider. p743 7 May 1993. Amgen to launch immunology institute. p611 30 Apr 1993. Another reversal for the AIDS vaccine trial? p1227 28 May 1993. As rare virus waxes, Army viral research wanes. p1579 11 June 1993. Berkeley bemoans possible faculty exodus. p1579 11 June 1993. Biotech slips in White House... and suffers a blow in Congress. p1867 25 June 1993. CDC chokes on AIDS treatment proposal. p883 14 May 1993. Clinton budget hurts LBL's fusion program. p611 30 Apr 1993. Clinton clean way for academic pork roast. p883 14 May 1993. Clinton to sign (irrelevant?) treaty. p1415 4 June 1993. Congress may hang up on AIDS hotline. p611 30 Apr 1993. Congress takes up banner for biodiversity. p479 23 Apr 1993. Day of judgment nears for tPA. p479 23 Apr 1993. Did DOE's Happer fall into ozone hole? p743 7 May 1993. Divorce splits LIGO's 'dysfunctional family'. p1063 21 May 1992. DOD to single out Micro-GeneSys vaccine. p19 2 Apr 1993. FDA considers labels on bioengineered food. p883 14 May 1993. FDA to ask for data on gender differences. p743 7 May 1993. Feder and Stewart, historian trade charges. p151 9 Apr 1993. Federal belt-tightening imperils user fees. p1711 18 June 1993. Former EMBL chief to lead Big Apple lab. p479 23 Apr 1993. Fraudbuster foresees food. p1063 21 May 1992. Galas to leave DOE for biotech company. p1867 25 June 1993. Get your C.V. and a pen handy. p283 16 Apr 1993. Grants go to Russian science, despite turmoil. p19 2 Apr 1993. HHS may join crime commission fray. p1227 28 May 1993. In search of: one NIH director. p19 2 Apr 1993. Leading candidates reject top agency jobs. p743 7 May 1993. The long arm of the NASA beam-counters. p1227 28 May 1993. Mix-up closes misconduct hearings. p883 14 May 1993. New Euro agency may speed grant awards. p611 30 Apr 1993. NIH to clarify rules for tenure. p283 16 Apr 1993. NIST to aid biosensor industry. p1711 18 June 1993. NSF budget starts off right. p1415 4 June 1993. ORI rulings: naming names. p1867 25 June 1993. Protests fail to avert Mirzayanov trial. p151 9 Apr 1993. Research plan on EMFs forthcoming. p1579 11 June 1993. Russian Arctic dumps hotter than realized. p151 9 Apr 1993. Russians to launch their own UARS. p1227 28 May 1993. Scientist accused of theft retains post. p1415 4 June 1993. Scientists to plumb marine diversity depths. p1579 11 June 1993. Short list for NIH director job. p1063 21 May 1992. Sky's the limit for women's health groups. p1063 21 May 1992. Suit puts EML science on trial. p479 23 Apr 1993. A trap for archeological looters. p19 2 Apr 1993. Two names in NIH director hat. p1711 18 June 1993. UC faculty shun research corporation. p1415 4 June 1993. U.S. to explore dad's rads, child cancer link. p283 16 Apr 1993. U.S. to grab land at Alaskan bird sanctuary. p151 9 Apr 1993. VA medical research to take big hit. p283 16 Apr 1993. Whale management body irks scientists. p1711 18 June 1993.
- Scolnick, Edward M. See Kohl, Nancy E.
- Scott, Phillip: IL-12: initiation cytokine for cell-mediated immunity (perspective). p496 23 Apr 1993.
- Scott, Randy W.: Sequencing the human genome (letter). p606 30 Apr 1993.
- Sederoff, Ronald R. See Bao, Wuli.
- Sefror, C. See Gleason, J. F.
- Selby, Christopher P. and Sancar, Aziz: Molecular mechanism of transcription-repair coupling. p53 2 Apr 1993.
- Sell, Stewart: Liver stem cells (letter). p1224 28 May 1993.
- Senecal, Marjorie: review of *Spatial Tesselations*, by Atsuyuki Okabe, Barry Boots, and Kokiichi Sugihara. p1170 21 May 1992.
- Sereno, Paul C. See Rogers, Raymond R.
- Service, Robert F. (news): Making modular memories. p1876 25 June 1993.
- Severn, Alison. See Taylor-Robinson, Andrew W.
- Shapiro, Arthur M.: review of *Biology and Conservation of the Monarch Butterfly*, edited by Stephen B. Malcolm and Myron P. Zalucki. p1983 25 June 1993.
- Shapiro, Howard M.: review of *Flow Cytometry*, by Alice Longobardi Givan. p1533 4 June 1993.
- Shaw, George M. See Lifson, Jeffrey D.
- Shaw, Stanley Y. and Wang, James C.: Knitting of a DNA chain during ring closure. p533 23 Apr 1993.
- Shearer, Gene M. See Salk, Jonas.
- Sheetz, Michael P. See Kuo, Scot C.
- Sheffrin, Deborah H. See Gold, Jay A.
- Shen, G. See Saxena, S. K.
- Shen, Glen T. See Cole, Julia E.
- Shen, Y. F.; Zenger, R. P.; DeGuzman, R. N.; Suib, S. L.; McCurdy, L.; Potter, D. L.; O'Young, C. L.: Manganese oxide octahedral molecular sieves: preparation, characterization, and applications. p511 23 Apr 1993.
- Shirasawa, Senji; Furuse, Masanori; Yokoyama, Nobuhiko; Sasazuki, Takenhiko: Altered growth of human colon cancer cell lines disrupted at activated Ki-ras. p85 2 Apr 1993.
- Shore, Sheldon G. See Hamilton, Ewan J. M.
- Shubik, Philippe: Pesticides and the Delaney amendment (letter). p1409 4 June 1993.

- Shum, Lillian. See Ebner, Reinhard.
- Sieh, Kerry; Jones, Lucile; Hauksson, Egill; Hadnau, Kenneth; Eberhart-Phillips, Donna; Heaton, Thomas; Hough, Susan; Hutton, Kate; Kanamori, Hiroo; Lilje, Anne; Lindvall, Scott; McGill, Sally F.; Mori, James; Rubin, Charles; Spolia, James A.; Stock, Joann; Thio, Hong Kie; Treiman, Jerome; Wernicke, Brian; Zachariasen, Judith: Near-field investigations of the Landers earthquake sequence, April to July 1992. p171 9 Apr 1993.
- Siemens, Kathleen A. (Krzeminski); Wilson, Rachel (Hammerton); Mays, Robert W.; Ryan, Timothy A.; Wollner, Debra A.; Nelson, W. James: Delivery of Na⁺/K⁺-ATPase in polarized epithelial cells. p554 23 Apr 1993.
- Silvert, Pentti K. See Yalcinkaya, Tamer M.
- Simon, Anne E. See Cascone, Pamela J.
- Simpson, R. W. See Hill, D. P.
- Singer, Dina S. See Howcroft, T. Kevin.
- Singh, Harinder. See Andersen, Bogi.
- Singh, Satish C.; Minihull, Timothy A.; Spence, George D.: Velocity structure of a gas hydrate reflector. p204 9 Apr 1993.
- Sirotna, Anna. See Prins, Jan-Bas.
- Sistonen, Pertti. See Aaltonen, Lauri A. See also Peltonmäki, Päivi.
- Skole, David and Tucker, Compton: Tropical deforestation and habitat fragmentation in the Amazon: satellite data from 1978 to 1988. p1905 25 June 1993.
- Skolnick, E. Y.; Batzer, A.; Li, N.; Lee, C.-H.; Lowenstein, E.; Mohammadi, M.; Margolis, B.; Schlesinger, J.: The function of GRB2 in linking the insulin receptor to Ras signaling pathways. p1953 25 June 1993.
- Sleppy, C. R. See Cartier, S. F.
- Slutskey, L. J. See Zaig, J. M.
- Small, Gerald J. See Raja, N.
- Small, Scott A. See Zhuo, Min.
- Smelik, Eugene A. See Veblen, David R.
- Smith, Amos B., III. See Josefowicz, Jack Y.
- Smith, Cassandra L. See Sano, Takeshi.
- Smith, Marvin T.: review of *The Native Population of the Americas in 1492*, edited by William M. Denevan, *Disease and Demography in the Americas*, edited by John W. Verano and Douglas H. Ubelaker, and *Disease, Depopulation, and Culture Change in Northwestern New Spain, 1518-1764*, by Daniel T. Reff. p1179 21 May 1992.
- Smith, R. B. See Hill, D. P.
- Smith, Robert L. See Kohl, Nancy E.
- Smith, Roy G.; Cheng, Kang; Schoen, William R.; Pong, Sheng-Shung; Hickey, Gerard; Jacks, Tom; Butler, Bridget; Chan, Wanda W.-S.; Chaung, Lee-Yuh P.; Judith, Fred; Taylor, Joyce; Wyvrat, Matthew J.; Fisher, Michael H.: A nonpeptidyl growth hormone secretagogue. p1640 11 June 1993.
- Smythe, William D. See Hapke, Bruce W.
- Snoddy, J. See Drmanac, R.
- Snutch, Terry P. See Soong, Tuck Wah.
- Socolich, Michael. See Dolph, Patrick J.
- Sogin, Mitchell L. See Wainwright, Patricia O.
- Soldati, Dominique and Boothyrold, John C.: Transient transfection and expression in the obligate intracellular parasite *Toxoplasma gondii*. p349 16 Apr 1993.
- Solórzano, Luis Aníbal. See Knowlton, Nancy.
- Soltoff, Stephen P. See Tuveson, David A.
- Somers, Todd C. See James, Guy L.
- Smolen, George G.: review of *Astrocytes*, edited by Sean Murphy. p1984 25 June 1993.
- Soong, Tuck Wah; Stea, Anthony; Hodson, Connie D.; Dubel, Stefan J.; Vincent, Steven R.; Snutch, Terry P.: Structure and functional expression of a member of the low voltage-activated calcium channel family. p1133 21 May 1992.
- Some, Gabriel. See Jacobs, William R., Jr.
- Spence, George D. See Singh, Satish C.
- Spotila, James A. See Sieh, Kerry.
- Staas, Jay K. See Marx, Preston A.
- Stack, Jeffrey H. See Schu, Peter V.
- Stackhouse, Thomas. See Latif, Farida.
- Stacker, Heinrich. See Lefebvre, Philippe.
- Stahl, Neil. See Davis, Samuel.
- Stamatou, Thomas. See Taccioli, Guillermo E.
- Stanley, Daniel Jean and Warner, Andrew G.: Nile delta: recent geological evolution and human impact. p628 30 Apr 1993.
- Stanley, George G. See Broussard, Melanie E.
- Starr, M. See Hill, D. P.
- Starr, T. L. See Kinney, J. H.
- Stauffer, Bernhard: The Greenland Ice Core Project (perspective). p1764 18 June 1993.
- Stea, Anthony. See Soong, Tuck Wah.
- Stein, Gary S. See Davis, J. Glenn.
- Steinberg, S.; Ducker, W.; Vigli, G.; Hyukjin, C.; Frank, C.; Tseng, M. Z.; Clarke, D. R.; Israelchvili, J. N.: Van der Waals epitaxial growth of α -alumina nanocrystals on mica. p656 30 Apr 1993.
- Steinman, Ralph M. See Pancholi, Preeti.
- Steitz, Thomas A. See Beese, Lorena S.
- Stern, Charlotte L. See Lambert, Joseph B.
- Stern, Paul C.: A second environmental science: human-environmental interactions (policy forum). p1897 25 June 1993.
- Stewart, Alexandre F. R. See Block, Barbara A.
- Stewart, T. A.; Hultgren, R.; Huang, X.; Pitts-Meek, S.; Hully, J.; MacLachlan, N. J.: Induction of type 1 diabetes by interferon- α in transgenic mice. p1942 25 June 1993.
- Stickel, Shawn K. See Wainwright, Patricia O.
- Stickney, M. See Hill, D. P.
- Stierle, Andrea; Strobel, Gary; Stierle, Donald: Taxol and taxane production by *Taxomyces andromedae*, an endophytic fungus of Pacific yew. p214 9 Apr 1993.
- Stierle, Donald. See Stierle, Andrea.
- Stock, Joann. See Sieh, Kerry.
- Stock, S. R. See Kinney, J. H.
- Stolarski, R. S. See Gleason, J. F.
- Stone, Richard (new): Biotech sails into heavy financial seas. p908 14 May 1993. The case against implants. p31 2 Apr 1993. Dental institute report has NIH down in the mouth. p1069 21 May 1992. Dioxin: still deadly. p31 2 Apr 1993. Dispute over Exxon Valdez cleanup data gets messy. p749 7 May 1993. Lead still a threat abroad. p30 2 Apr 1993. NASA researchers eye Mir. p1230 28 May 1993. Panel finds gaps in violence studies. p1584 11 June 1993. Surprise! a fungus factory for taxol? p154 9 Apr 1993.
- Stosel, Thomas P.: On the crawling of animal cells. p1086 21 May 1992.
- Strebel, Klaus. See Howcroft, T. Kevin.
- Streicher, Barbara. See Schroeder, Renée.
- Strezoska, Z. See Drmanac, R.
- Strobel, Gary. See Stierle, Andrea.
- Strominger, Jack L. See Colonna, Marco.
- Stryer, Lubert. See Hurley, James B.
- Stryker, Michael P. See Antonini, Antonella.
- Suib, S. L. See Shen, Y. F.
- Sun, Zi-Ping; Schubert, Gerald; Glatzmaier, Gary A.: Banded surface flow maintained by convection in a model of the rapidly rotating giant planets. p661 30 Apr 1993.
- Susskind, Charles. See Davis, J. Glenn.
- Swan, Shanna H.: Judging science (letter). p879 14 May 1993.
- Swisher, Carl C., III. See Marchant, David R. See also Rogers, Raymond R.

T

- Tabatabadeh, A. and Turco, R. P.: Stratospheric chlorine injection by volcanic eruptions: HCl scavenging and implications for ozone. p1082 21 May 1992.
- Taccioli, Guillermo E.; Rathbun, Gary; Olts, Eugene; Stamatou, Thomas; Jeggo, Penny A.; Alt, Frederick W.: Impairment of V(D)J recombination in double-strand break repair mutants. p207 9 Apr 1993.
- Taga, Tetsuya. See Davis, Samuel. See also Murakami, Masaaki.
- Taira, Masato. See Georgopoulos, Apostolos P.
- Takahashi, Joseph S. See Ginty, David D.
- Takegawa, Kaoru. See Schu, Peter V.
- Tanaka, Hidenao. See Ukita, Hiroo.
- Taub, Dennis D.; Conlon, Kevin; Lloyd, Andrew R.; Oppenheim, Joost J.; Kelvin, David J.: Preferential migration of activated CD4⁺ and CD8⁺ T cells in response to MIP-1 α and MIP-1 β . p355 16 Apr 1993.
- Taubes, Gary (news): Citation rankings: no technical knockout? p85 14 May 1993. A fateful prediction. p1581 11 June 1993. Measure for measure in science. p884 14 May 1993. NASA launches a 5-year plan to clone drones. p286 16 Apr 1993. OGLEing, MACHOs, and the search for dark matter. p492 23 Apr 1993. The ozone backlash. p1580 11 June 1993. Physicists explore the driplines. p1874 25 June 1993. Pinning down a missing link in massive stars. p34 2 Apr 1993. Stratospheric chlorine: blaming it on nature. p1582 11 June 1993.
- Tautz, Diethard. See Amos, Bill.
- Taylor, F. W. See Edwards, R. Lawrence.
- Taylor, Joyce. See Smith, Roy G.
- Taylor-Robinson, Andrew W.; Phillips, R. Stephen; Severn, Alison; Moncada, Salvador; Liew, Foo Y.: The role of T_H1 and T_H2 cells in a rodent malaria infection. p1931 25 June 1993.
- Temple, Robert: Tyrolean paraphernalia (letter). p147 9 Apr 1993.
- Teng, BaBie; Burant, Charles F.; Davidson, Nicholas O.: Molecular cloning of an apolipoprotein B messenger

- RNA editing protein. p1816 18 June 1993.
- Teresi, Dick: The G-word (letter). p607 30 Apr 1993.
- Terrett, Matthijs. See Groenink, Martin.
- Thibodeau, S. N.; Bren, G.; Schaid, D.: Microsatellite instability in cancer of the proximal colon. p616 7 May 1993.
- Thio, Hong Kie. See Sieh, Kerry.
- Thompson, Craig B. See Wang, Chung-Yih.
- Thompson, Judith K. See Krupa, David J.
- Thompson, Margaret A. See Ginty, David D.
- Thompson, Richard F. See Krupa, David J.
- Thornon, Robert M.: Postglacial offset along the Seattle fault (technical comment). p825 7 May 1993.
- Tielens, A. G. G. M. See Allamandola, L. J.
- Till, Michele. See Patterson, Bruce K.
- Timms, Emma. See Penninger, Josef.
- Todd, John A. See Prins, Jan-Bas.
- Toft, S. See Schulz, S.
- Tomlinson, R. David: review of *Vestibular and Brain Stem Control of Eye, Head and Body Movements*, edited by Hiroshi Shimazu and Yoshikazu Shinoda, and *Sensing and Controlling Motion*, edited by Bernard Cohen, David L. Tomko, and Fred Guedry. p367 23 Apr 1993.
- Torbett, Bruce E. See Mosier, Donald E.
- Tory, Kalman. See Latif, Farida.
- Toubin, Jeffrey. See Benhorin, Jessa.
- Train, Spencer G. See Broussard, Melanie E.
- Travis, John (news): Biotech gets a grip on cell adhesion. p906 14 May 1993. How to catch a gravitational wave. p613 30 Apr 1993. Imanishi-Kari says her new data shows she was right. p1073 21 May 1992. LIGO: a \$250 million gamble. p612 30 Apr 1993. New tumor suppressor gene captured. p1235 28 May 1993. Novel anticancer agents move closer to reality. p1877 25 June 1993. Thanks for the memories. p162 9 Apr 1993. What's in a name? p162 9 Apr 1993. (women in science '93): Making room for women in the culture of science. p412 16 Apr 1993.
- Treiman, Jerome. See Sieh, Kerry.
- Trichopoulos, Dimitrios. See Davis, J. Glenn.
- Trilling, G. H.: Support for the SSC (letter). p737 7 May 1993.
- Trimble, Virginia: review of *Elements and the Cosmos*, edited by Mike G. Edmunds and Roberto Terlevich. p1533 4 June 1993.
- Tripp, Catherine S. See Hsieh, Chyi-Song.
- Trümper, Joachim: ROSAT—a new look at the x-ray sky (perspective). p1769 18 June 1993.
- Tsay, Yi-Fang; Frank, Mary J.; Page, Tania; Dean, Caroline; Crawford, Nigel M.: Identification of a mobile endogenous transposon in *Arabidopsis thaliana*. p342 16 Apr 1993.
- Tse, Amy; Tae, Frederick W.; Almers, Wolfhard; Hille, Bertil: Rhythmic exocytosis stimulated by GnRH-induced calcium oscillations in rat gonadotropes. p82 2 Apr 1993.
- Tse, Frederick W. See Tae, Amy.
- Tseng, M. Z. See Steinberg, S.
- Tsien, Roger Y. See Backus, Brian J.
- Tsutsui, Hiroyuki; Ishihara, Kazuaki; Cooper, George, IV: Cytoskeletal role in the contractile dysfunction of hypertrophied myocardium. p682 30 Apr 1993.
- Tucker, Compton. See Skole, David.
- Turco, R. P. See Tabatabadeh, A.
- Turgeon, Benoit. See Caldwell, John.
- Tuveson, David A.; Carter, Robert H.; Soltoff, Stephen P.; Fearon, Douglas T.: CD19 of B cells as a surrogate kinase insert region to bind phosphatidylinositol 3-kinase. p986 14 May 1993.

U and V

- Udani, Rupa. See Jacobs, William R., Jr.
- Uenishi, Yuji. See Ukita, Hiroo.
- Ukita, Hiroo; Uenishi, Yuji; Tanaka, Hidenao: A photo-microdynamic system with a mechanical resonator monolithically integrated with laser diodes on gallium arsenide. p786 7 May 1993.
- Vacanti, Joseph P. See Langer, Robert.
- Vale, Ronald D.: Measuring single protein motors at work (perspective). p169 9 Apr 1993.
- Valentine, James W.: review of *Terrestrial Ecosystems Through Time*, edited by Anna K. Behrensmeyer, John D. Damuth, William A. DiMichele, Richard Potts, Hans-Dieter Sues, and Scott L. Wing. p244 9 Apr 1993.
- Van Aelst, Linda. See Chardin, Pierre.
- Van Cappellen, Philippe. See Lowell, Robert P.
- Van De Water, Thomas R. See Lefebvre, Philippe.
- Van Der Bergh, Johan; Vischer, Henk; Dilcher, David L.; Kürschner, Wolfram M.: Paleoclimatic signatures in neogene fossil leaves. p1788 18 June 1993.
- van Kammen, Ab. See Vijn, Irma.
- van Koppen, Petra A. M. See Bowers, Michael T.

